

FIG.1

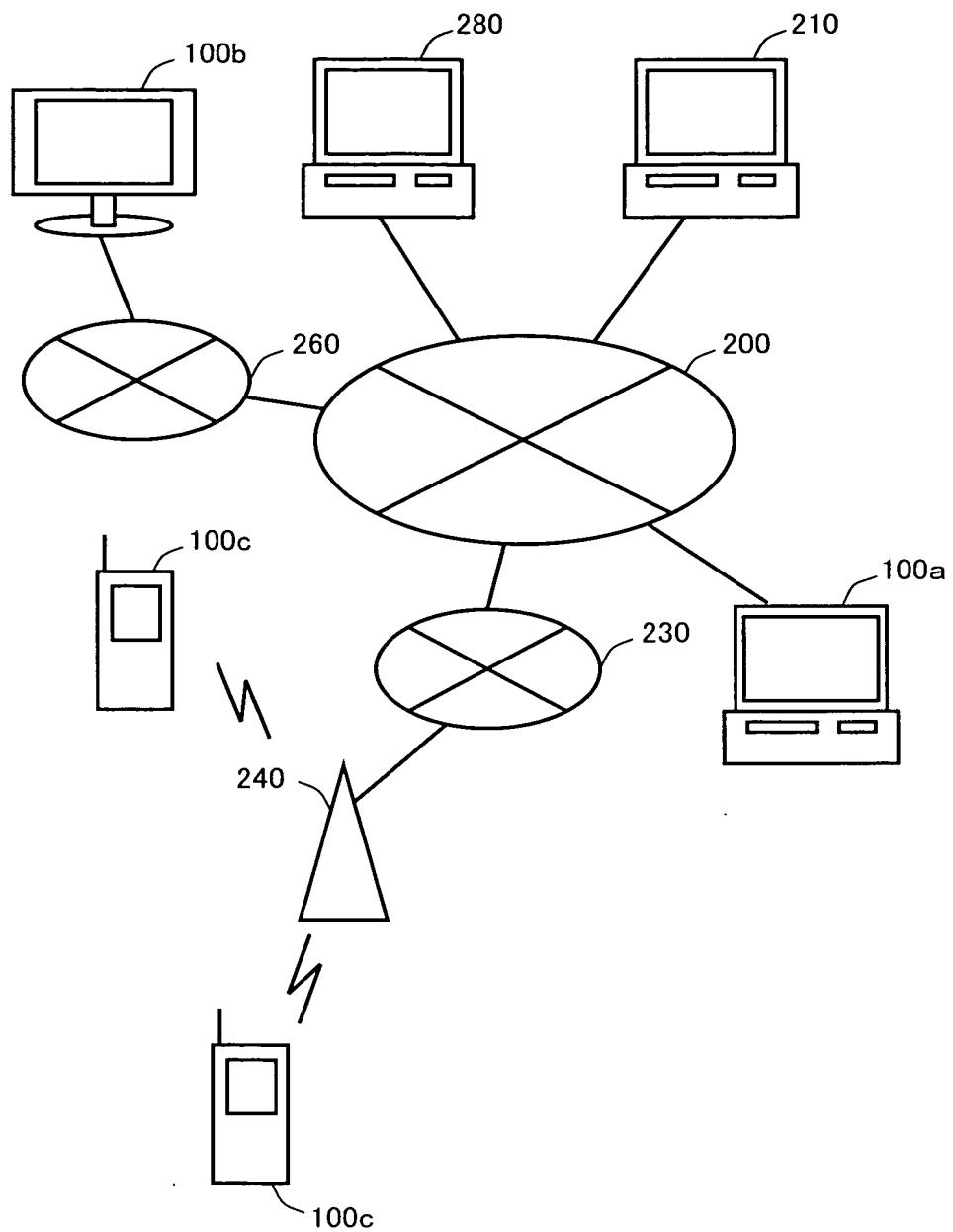


FIG.2

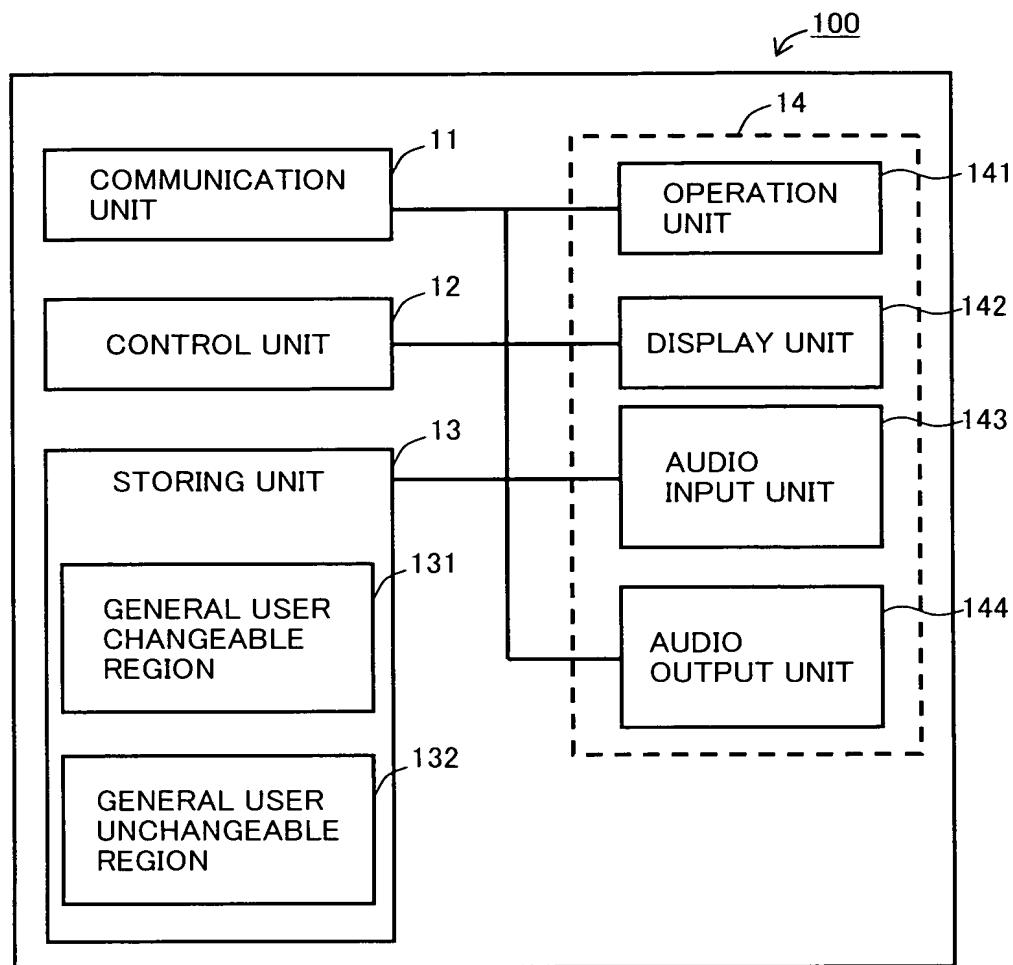


FIG.3

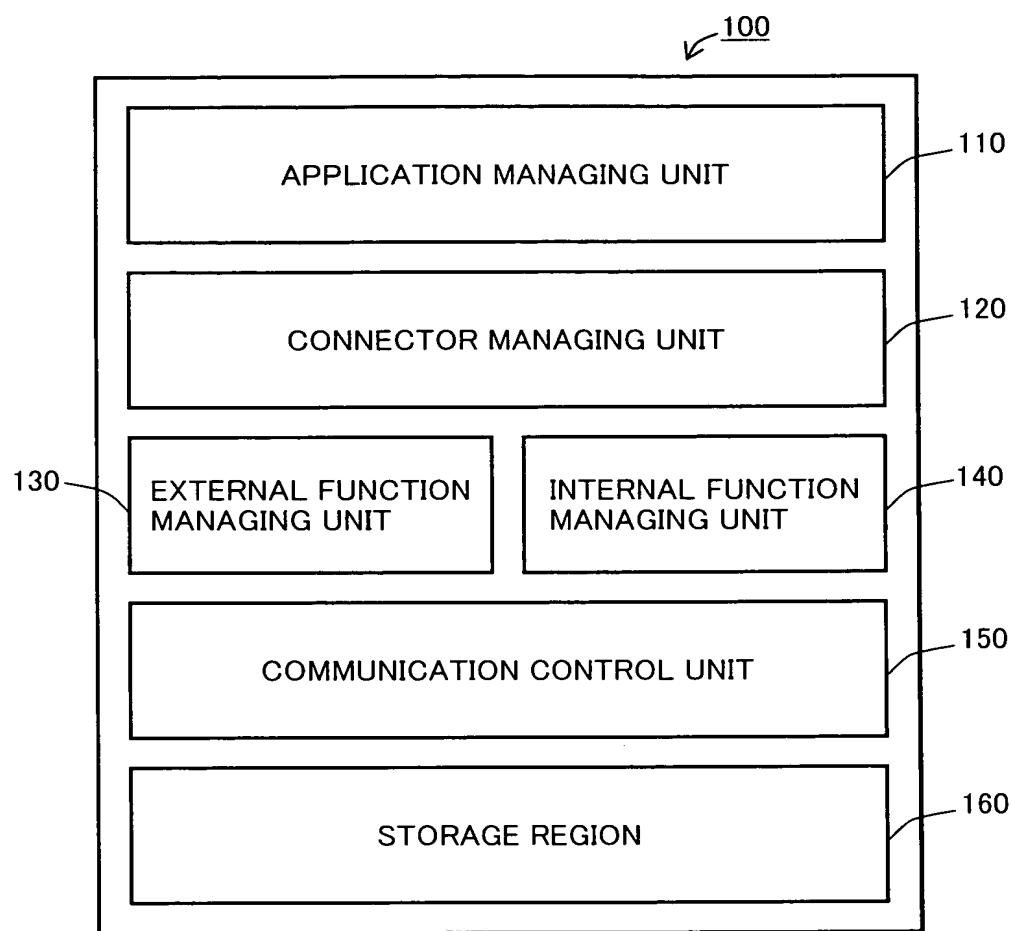


FIG.4

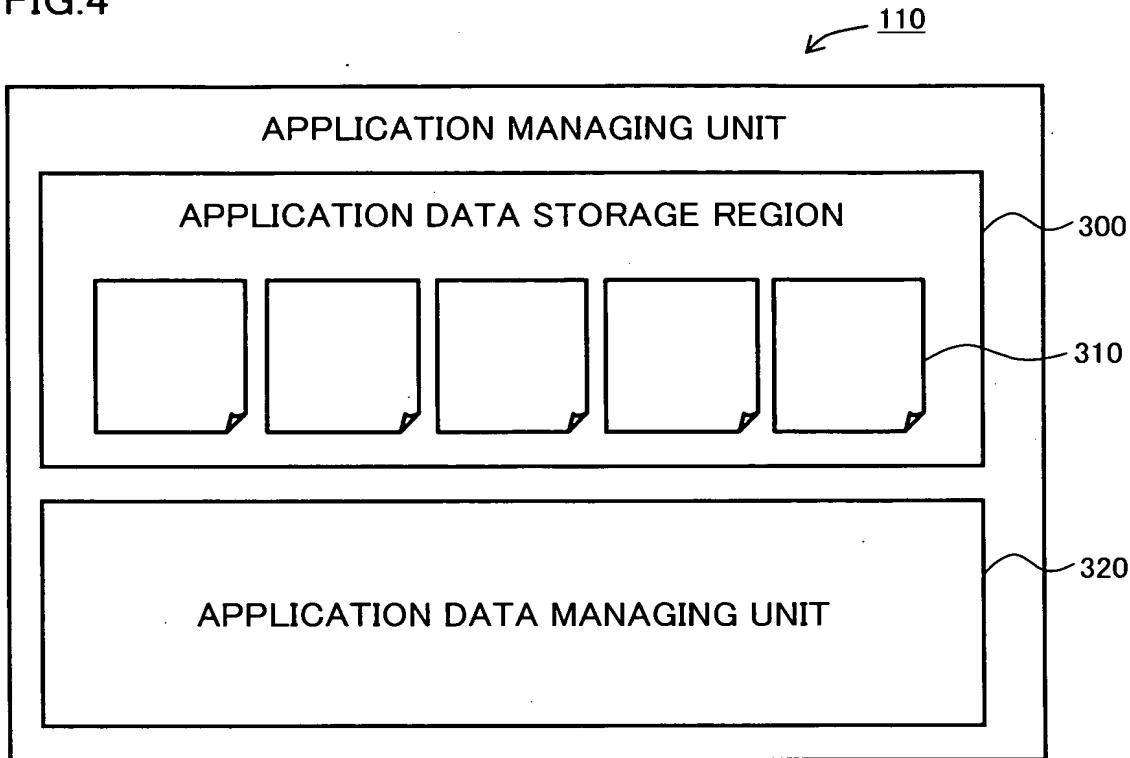


FIG.5

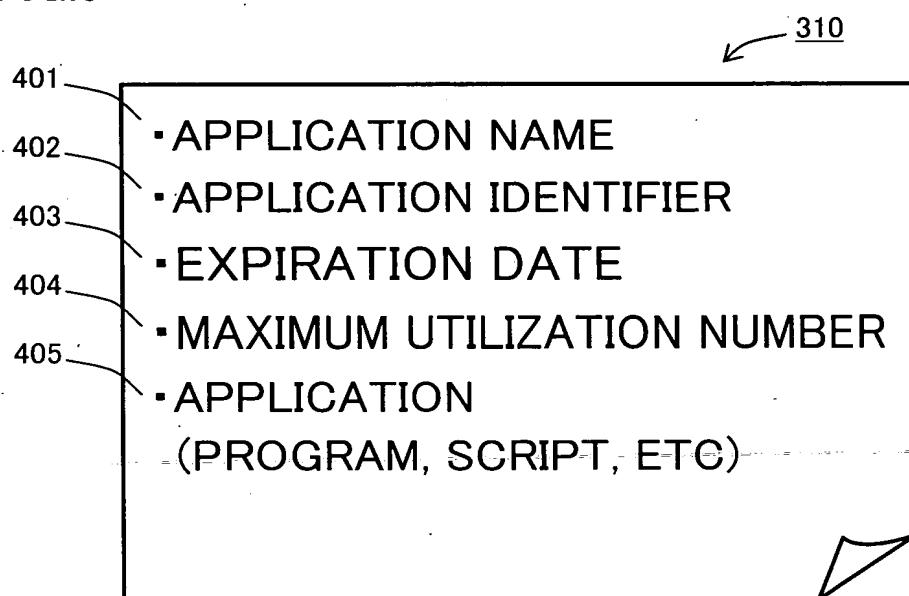


FIG.6

310

```
<application>
  <name>
    401 { Multimedia Message
  </name>
  <id>
    <vendor>
      AAA Corp.
    <vendor/>
    <uniqueNumber>
      HG3490S2345
    </uniqueNumber>
  </id>
  <expireDate>
    403 { 2004/4/1
  </expireDate>
  <expireNumber>
    404 { 100
  </expireNumber>
</application>
```

FIG.7

405

```
<smil>
  <head>
    <layout>
      <root-layout width="200" height="200"/>
      <region id="Image" width="150" height="100"
        left="25" top="10" />
      <region id="Text" width="180" height="30"
        left="10" top="120" />
      <button id="TextArt" width="40" height="30"
        left="10" top="160" />
      <button id="Camera" width="40" height="30"
        left="60" top="160" />
      <button id="File" width="30" height="30"
        left="110" top="160" />
      <button id="Send" width="40" height="30"
        left="150" top="160" />
    </layout>
    <action id="TextArt" >
      <setMedia func="name:TextArt" src="Text"
        dest="Text" scope="Terminal"/>
    </action>
    <action id="Camera" >
      <setMedia func="name:Camera" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="File" >
      <setMedia func="name:File" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="Send" >
      <setMedia func="name:Send" src=""
        dest="" scope="Terminal" />
    </action>
  </head>
  <body>
    <par>
      <event value="TextArt" action="TextArt" />
      <event value="Camera" action="Camera" />
      <event value="File" action="File" />
      <event value="Send" action="Send" />
    </par>
  </body>
</smil>
```

601

602

603

FIG.8

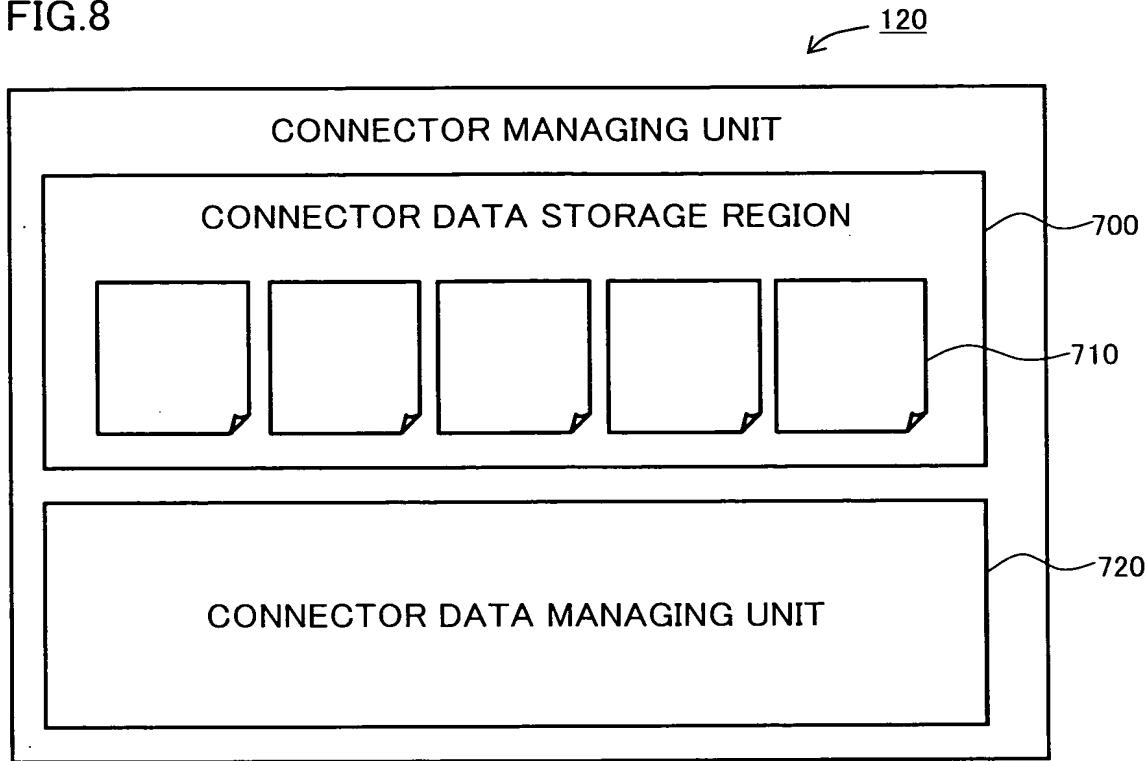


FIG.9

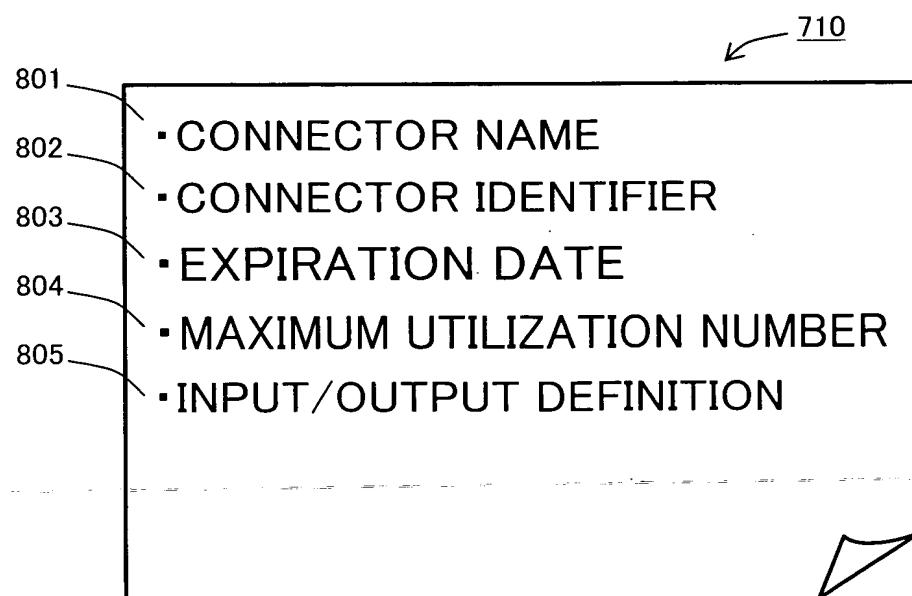


FIG.10

710
↖

```
<connector>
  <name>
    TextArt
  </name>
  801 {   <id>
    <vendor>
      AAA Corp.
    <vendor/>
    <vendorLimit>
      AAA Coop.
    <vendorLimit/>
    <uniqueNumber>
      LS4369P3550
    </uniqueNumber>
  </id>
  802 {   <expireDate>
    2004/4/1
  </expireDate>
  803 {   <expireNumber>
    100
  </expireNumber>
  804 {   </connector>
```

FIG.11

710

```
<connector>
 801 {   <name>
          Camera
        </name>
        <id>
          <vendor>
            AAA Corp.
          <vendor/>
          <vendorLimit>
            None
          <vendorLimit/>
          <uniqueNumber>
            RE6589P8112
          </uniqueNumber>
        </id>
        <expireDate>
          None
        </expireDate>
      803 {   <expireNumber>
          None
        </expireNumber>
      804 {   </connector>
```

FIG.12

805a

```
<input/output definition>
2501  {<type definition name = "TextArt request" type = "character string"/>
       <type definition name = "TextArt response" type = "Jpeg image"/>

<function definition name = "TextArt">
2502  {<input value type = "TextArt request"/>
       <output value type = "TextArt response"/>
     }</function definition>

<service definition name = "TextArt service"/>
2503  {<address URL = "http://example.url/TextArt"/>
       <utilization function name = "TextArt"/>
     }</service definition>
   }</input/output definition>
```

FIG.13

805b

```
<input/output definition>
2601  {<type definition name = "Camera response" type = "Jpeg image"/>

<function definition name = "Camera">
2602  {<input value type = "None"/>
       <output value type = "Camera response"/>
     }</function definition>
   }</input/output definition>
```

FIG.14

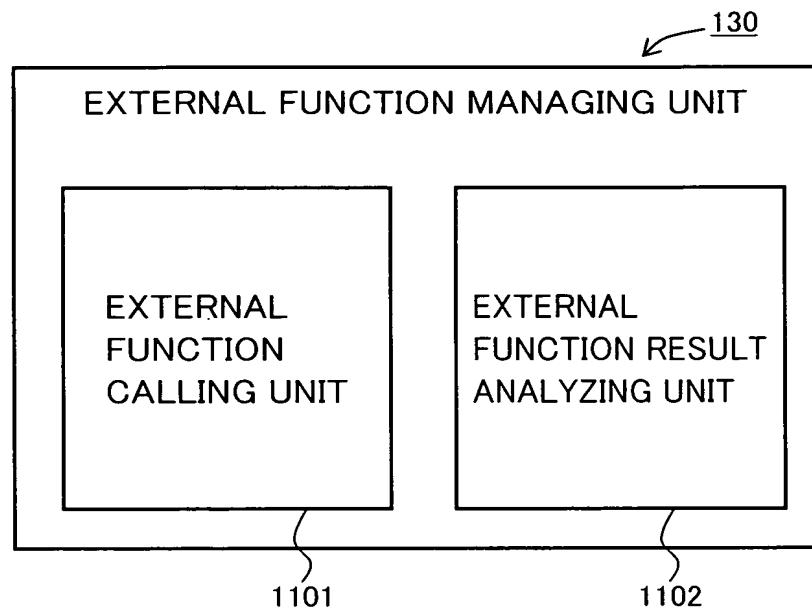


FIG.15

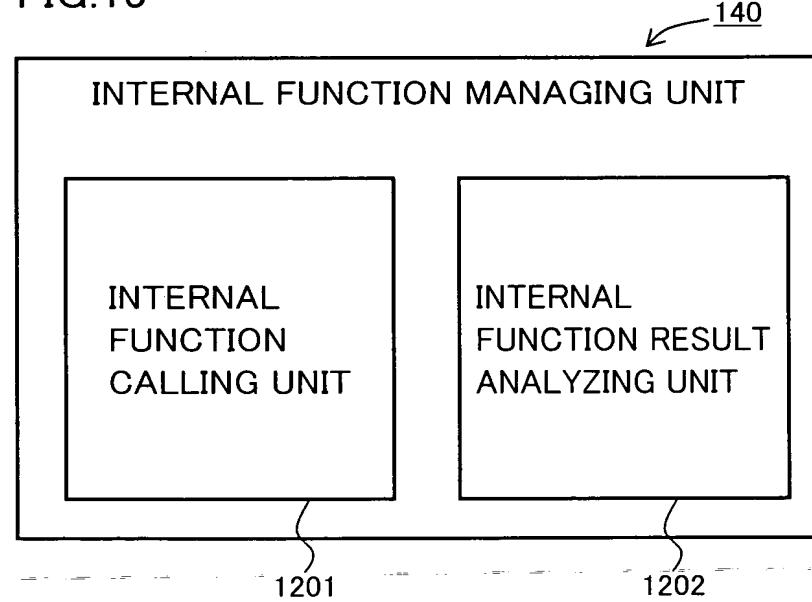


FIG.16

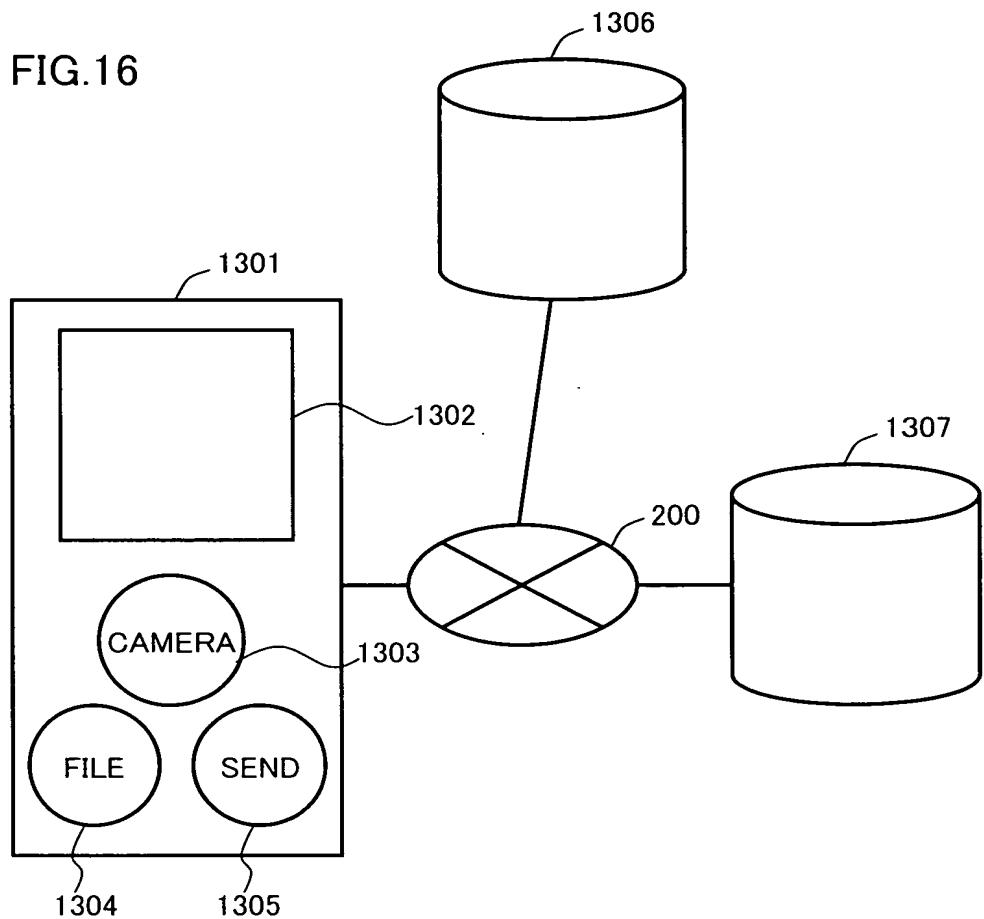


FIG.17

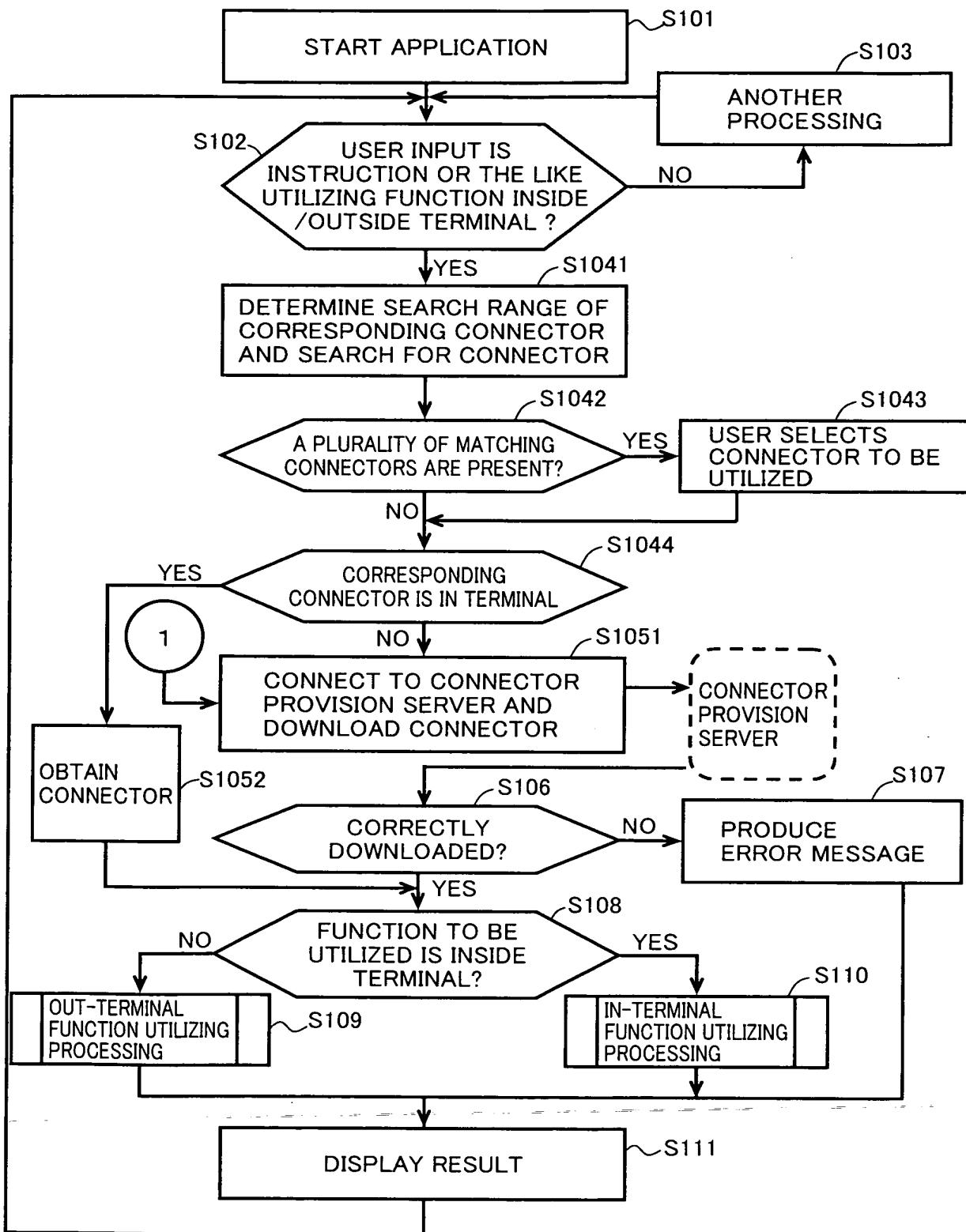


FIG.18

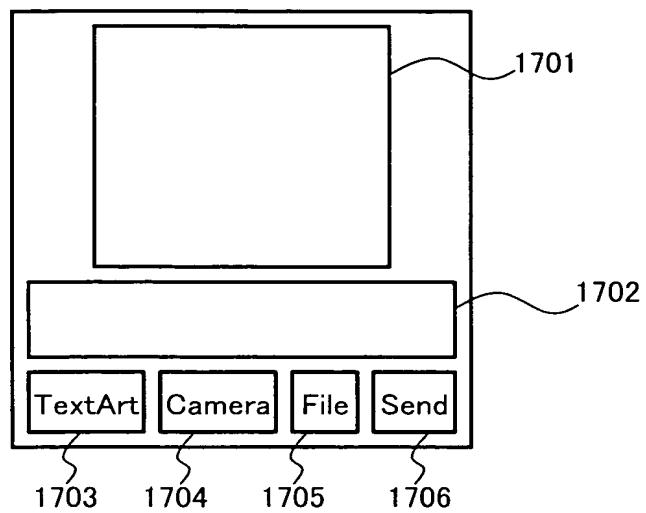


FIG.19

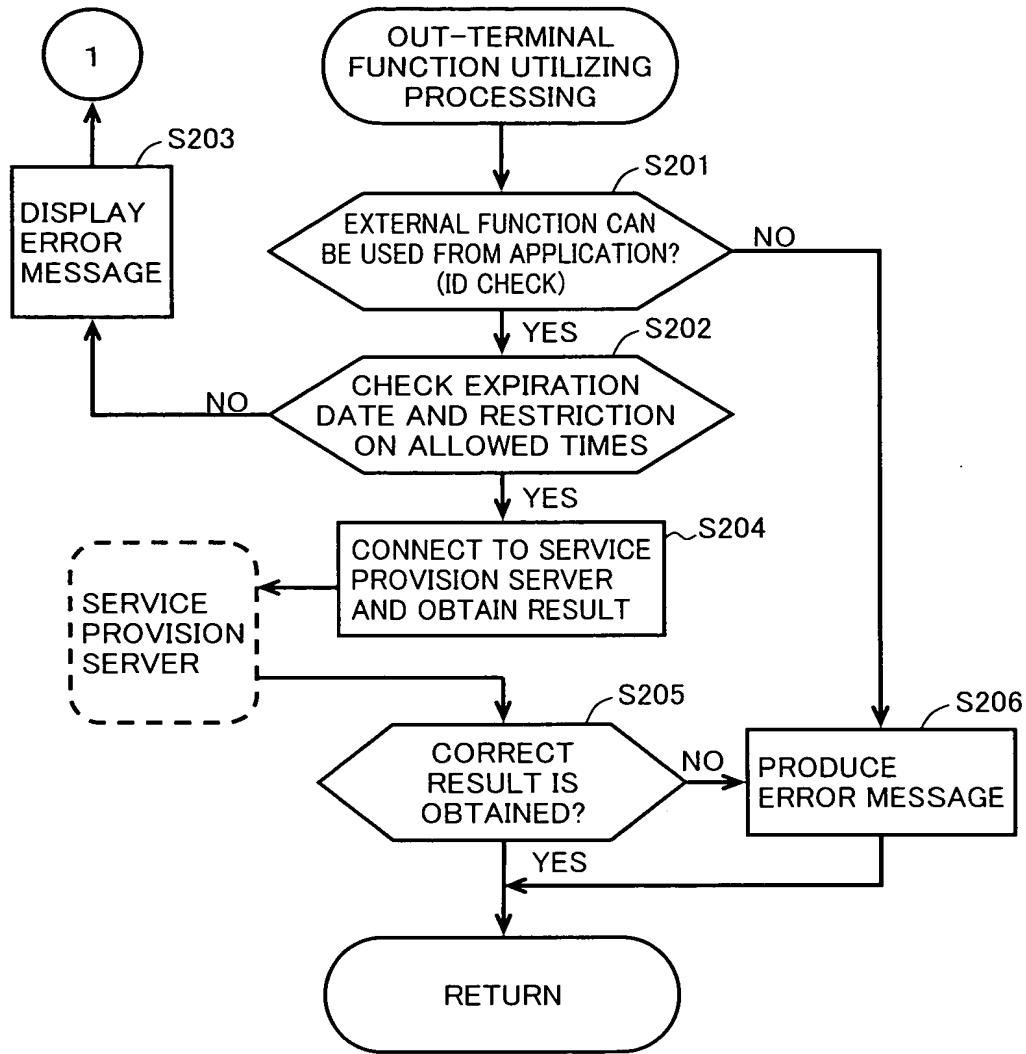


FIG.20

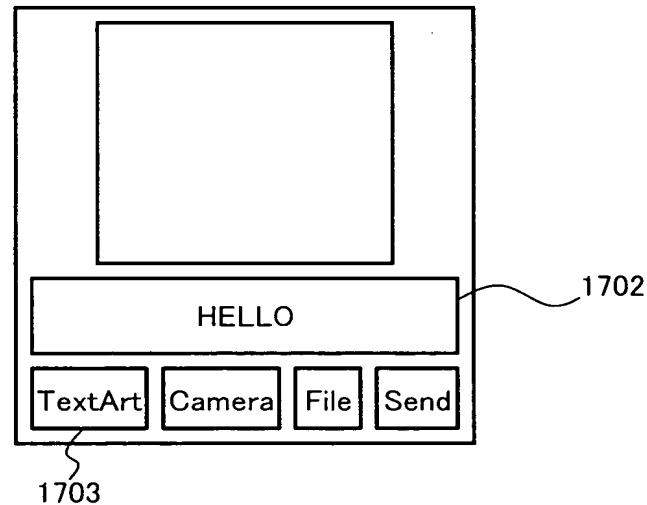


FIG.21

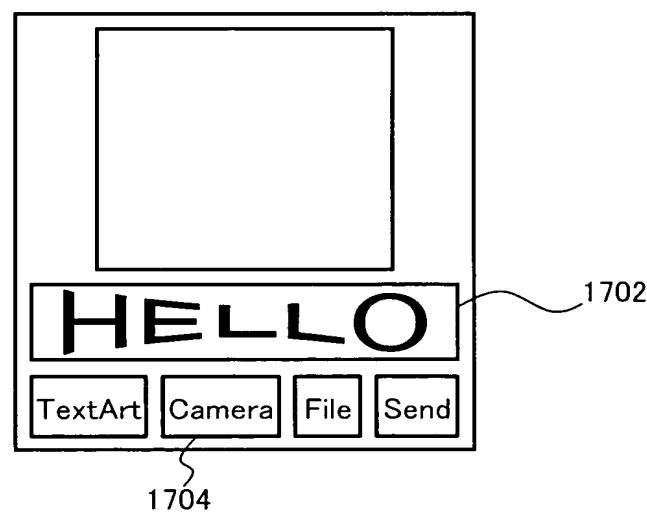


FIG.22

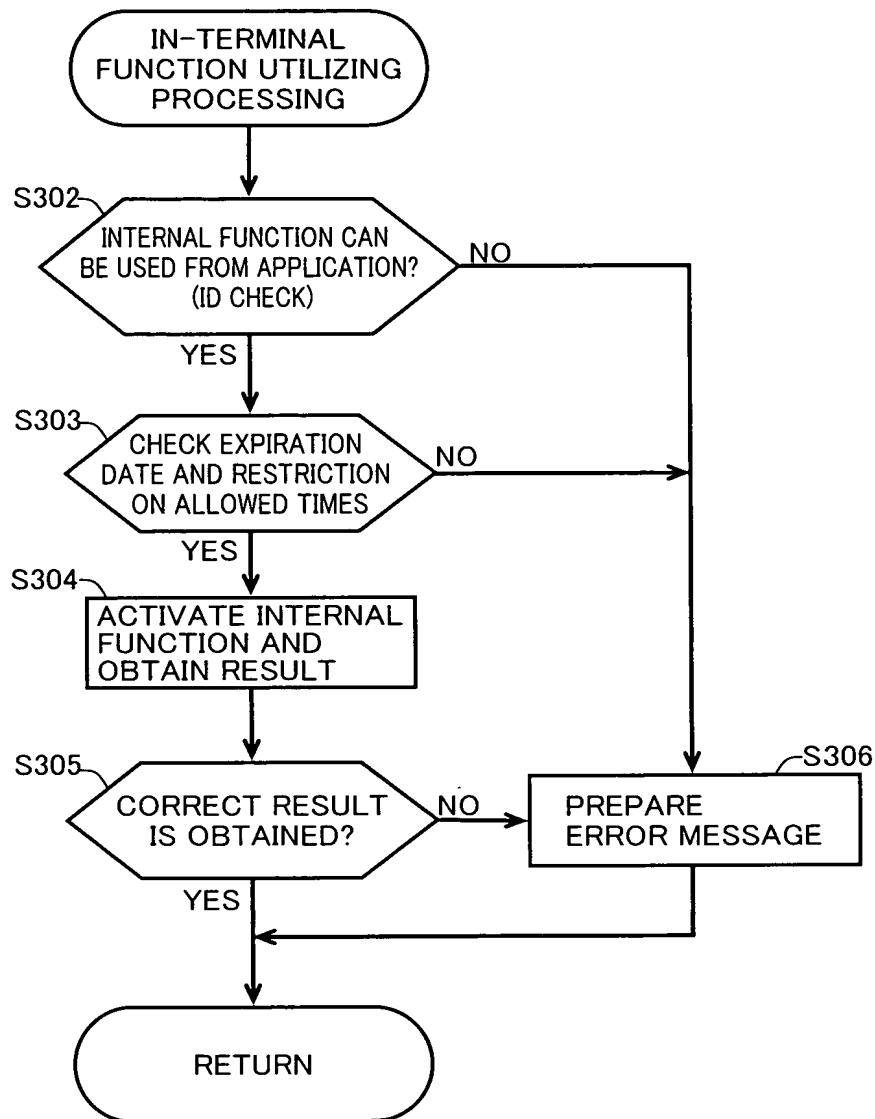


FIG.23

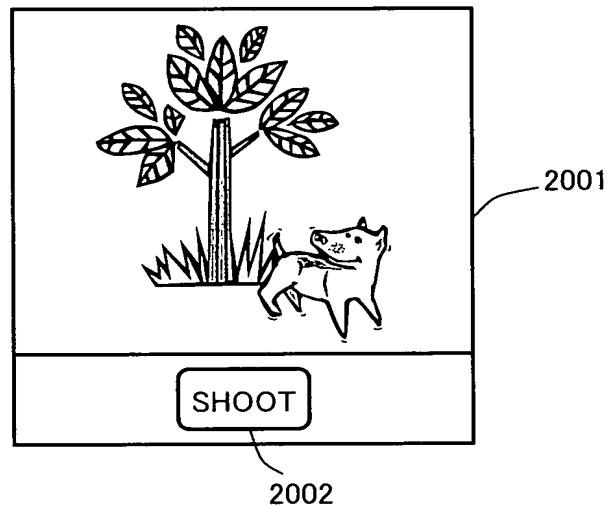


FIG.24

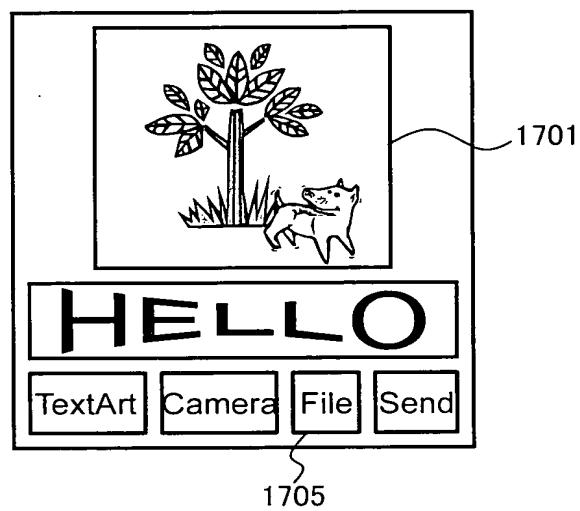


FIG.25

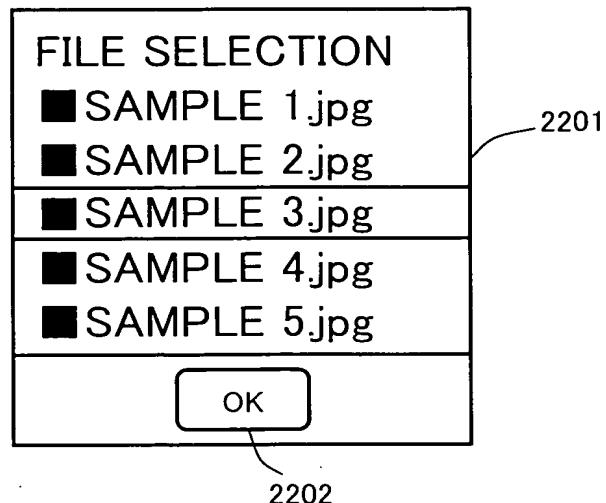


FIG.26

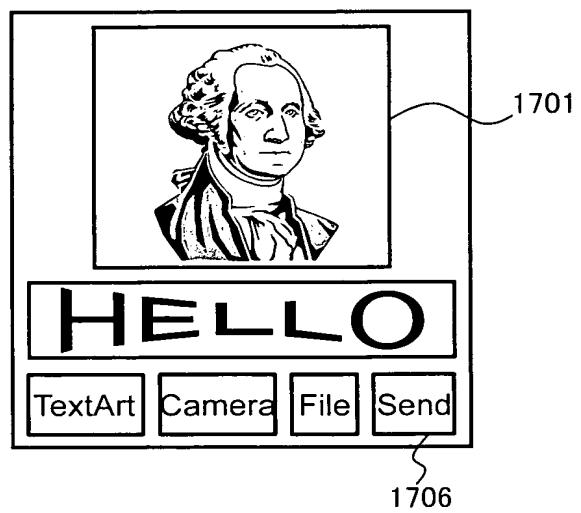


FIG.27

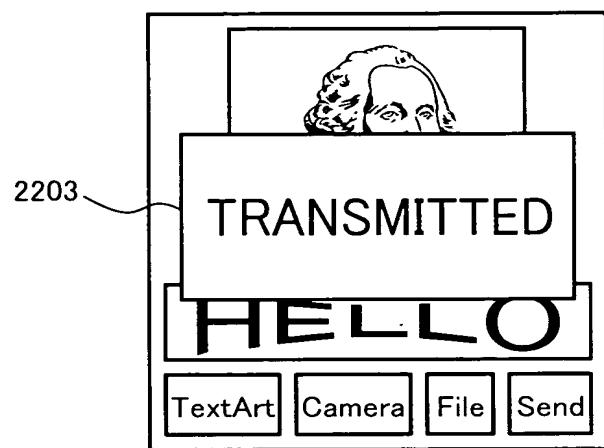


FIG.28

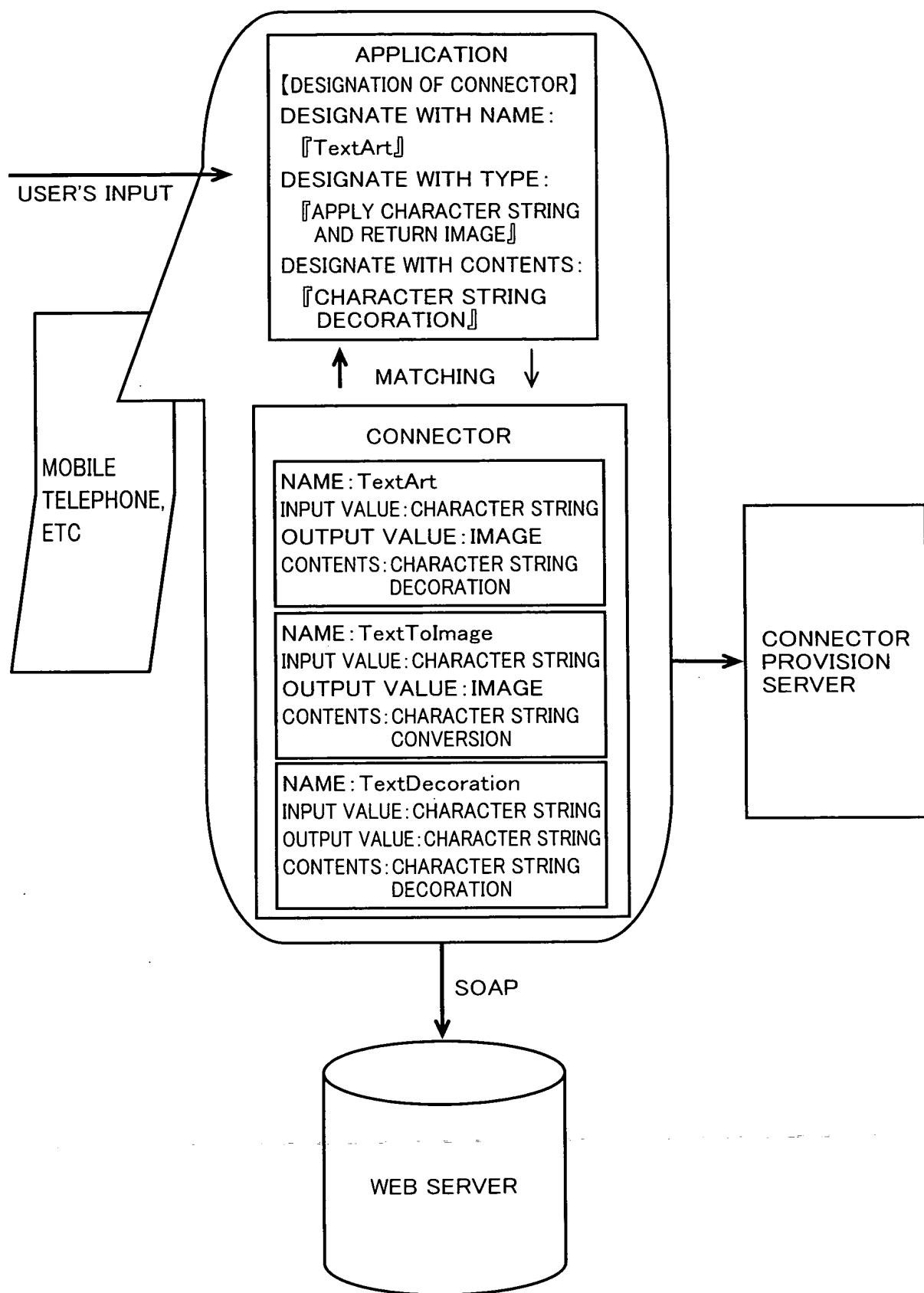


FIG.29

405

```
<smil>
  <head>
    <layout>
      <root-layout width="200" height="200"/>
      <region id="Image" width="150" height="100"
        left="25" top="10" />
      <region id="Text" width="180" height="30"
        left="10" top="120" />
      <button id="TextArt" width="40" height="30"
        left="10" top="160" />
      <button id="Camera" width="40" height="30"
        left="60" top="160" />
      <button id="File" width="30" height="30"
        left="110" top="160" />
      <button id="Send" width="40" height="30"
        left="150" top="160" />
    </layout>
    601   <action id="TextArt" >
      <setMedia func="input: character string, output: Jpeg image"
        src="Text" dest="Text" scope="Termial+Server" />
    </action>
    6021  <action id="Camera" >
      <setMedia func="name:Camera" src=""
        dest="Image" scope="Terminal" />
    </action>
    602   <action id="File" >
      <setMedia func="name:File" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="Send" >
      <setMedia func="name:Send" src=""
        dest="" scope="Terminal" />
    </action>
  </head>
  <body>
    603   <par>
      <event value="TextArt" action="TextArt" />
      <event value="Camera" action="Camera" />
      <event value="File" action="File" />
      <event value="Send" action="Send" />
    </par>
  </body>
</smil>
```

FIG.30

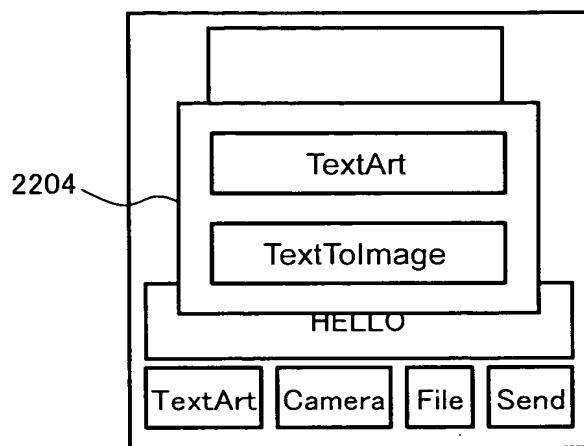


FIG.31

405

```
<smil>
  <head>
    <layout>
      <root-layout width="200" height="200"/>
      <region id="Image" width="150" height="100"
        left="25" top="10" />
      <region id="Text" width="180" height="30"
        left="10" top="120" />
      <button id="TextArt" width="40" height="30"
        left="10" top="160" />
      <button id="Camera" width="40" height="30"
        left="60" top="160" />
      <button id="File" width="30" height="30"
        left="110" top="160" />
      <button id="Send" width="40" height="30"
        left="150" top="160" />
    </layout>
    601   <action id="TextArt" >
      <setMedia func="desc:character string decoration" src="Text"
        dest="Text" scope="Termial+Server" />
    </action>
    6022  <action id="Camera" >
      <setMedia func="name:Camera" src=""
        dest="Image" scope="Terminal" />
    </action>
    602   <action id="File" >
      <setMedia func="name:File" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="Send" >
      <setMedia func="name:Send" src=""
        dest="" scope="Terminal" />
    </action>
  </head>
  <body>
    603   <par>
      <event value="TextArt" action="TextArt" />
      <event value="Camera" action="Camera" />
      <event value="File" action="File" />
      <event value="Send" action="Send" />
    </par>
  </body>
</smil>
```

FIG.32

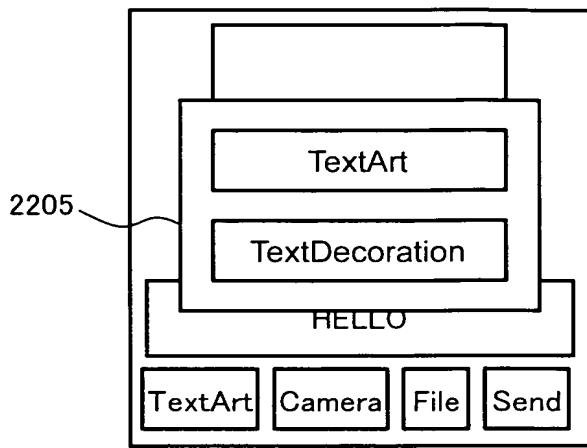


FIG.33

710

```
<connector>
  801   <name>
        File
      </name>
  802   <id>
        <vendor>
          AAA Corp.
        <vendor/>
        <vendorLimit>
          None
        <vendorLimit/>
        <uniqueNumber>
          GH3240LS1234
        </uniqueNumber>
      </id>
  803   <expireDate>
        None
      </expireDate>
  804   <expireNumber>
        None
      </expireNumber>
  806   <accessControl>
        <file type="system" prop="Hidden"
              limit="ReadOnly"/>
        <file type="address book" prop="Visible"
              limit="ReadOnly" />
        <file type="general" prop="Visible"
              limit="ReadWrite" />
      </accessControl>
  </connector>
```

FIG.34

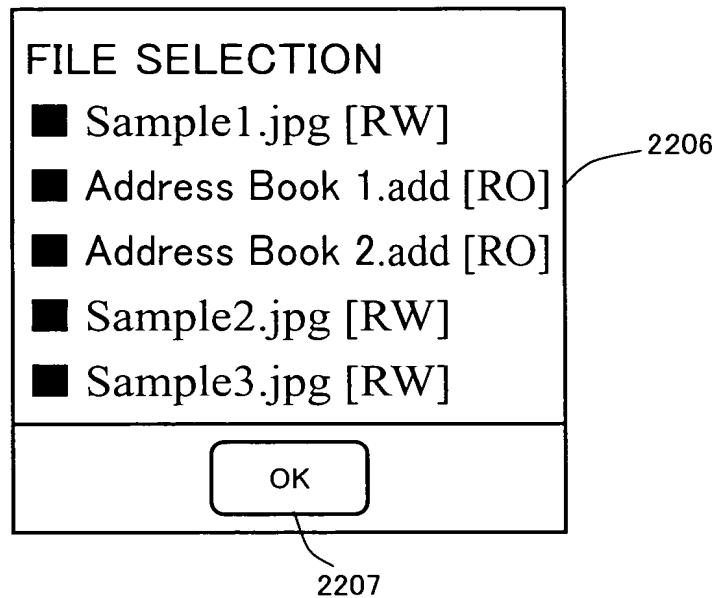


FIG.35

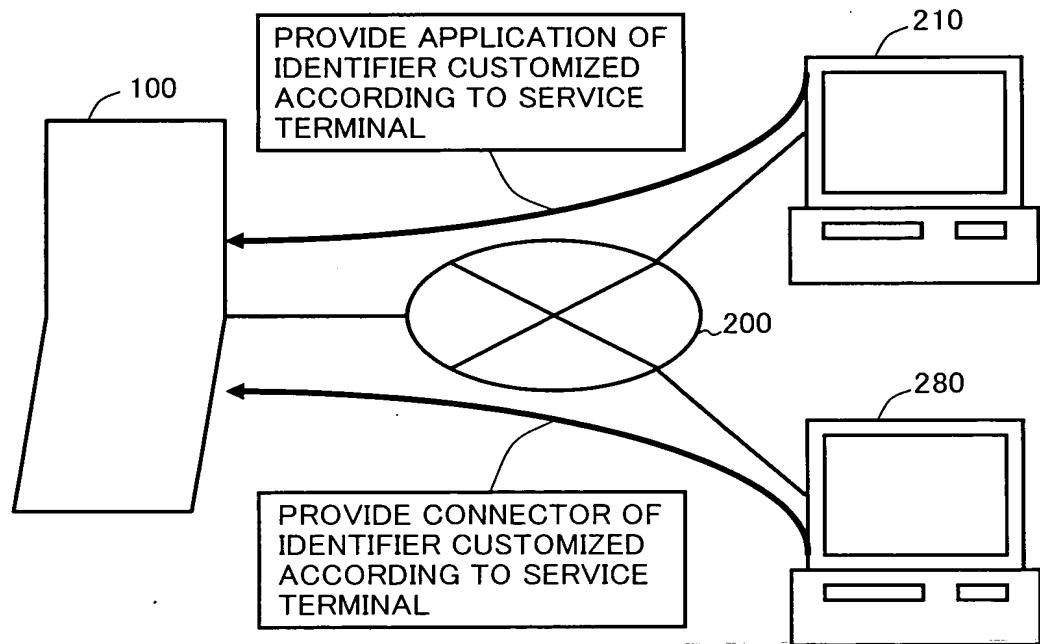


FIG.36

310

```
<application>
  <name>
    401 { Multimedia Message
          </name>
          <id>
            <vendor>
              AAA Corp.
              <vendor/>
              <uniqueNumber>
                402 MH0313-0987-0001-A
                </uniqueNumber>
              </id>
              <expireDate>
                403 2004/4/1
                </expireDate>
                <expireNumber>
                  404 100
                  </expireNumber>
                </application>
```

FIG.37

710

```
<connector>
  <name>
    TextArt
  </name>
  801 {<id>
    <vendor>
      AAA Corp.
    <vendor/>
    <vendorLimit>
      AAA Coop.
    <vendorLimit/>
    <uniqueNumber>
      MH0313-1928-9843-C
    </uniqueNumber>
  </id>
  802 {<expireDate>
    2004/4/1
  </expireDate>
  803 {<expireNumber>
    100
  </expireNumber>
  804 {</connector>
```

FIG. 38

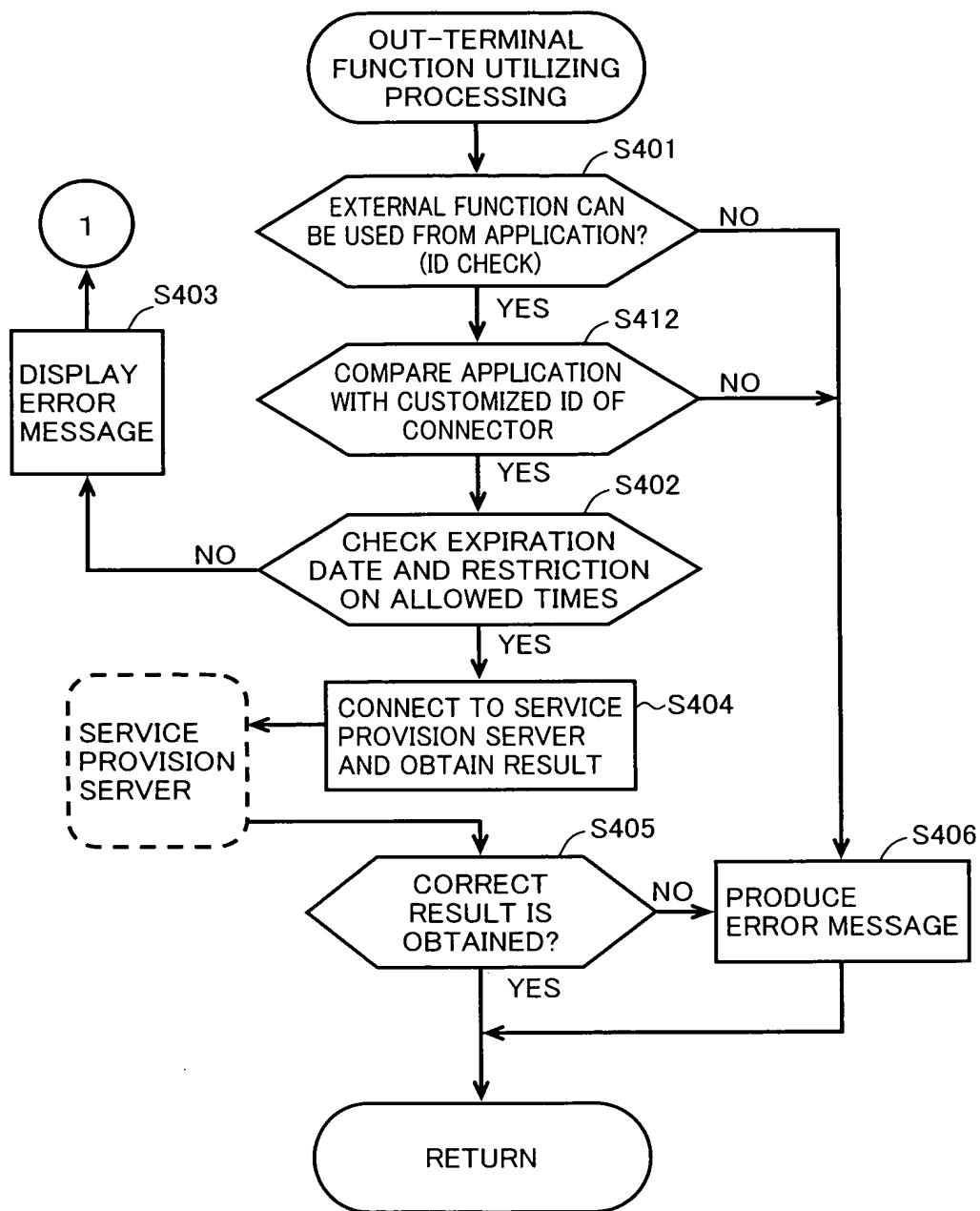


FIG.39

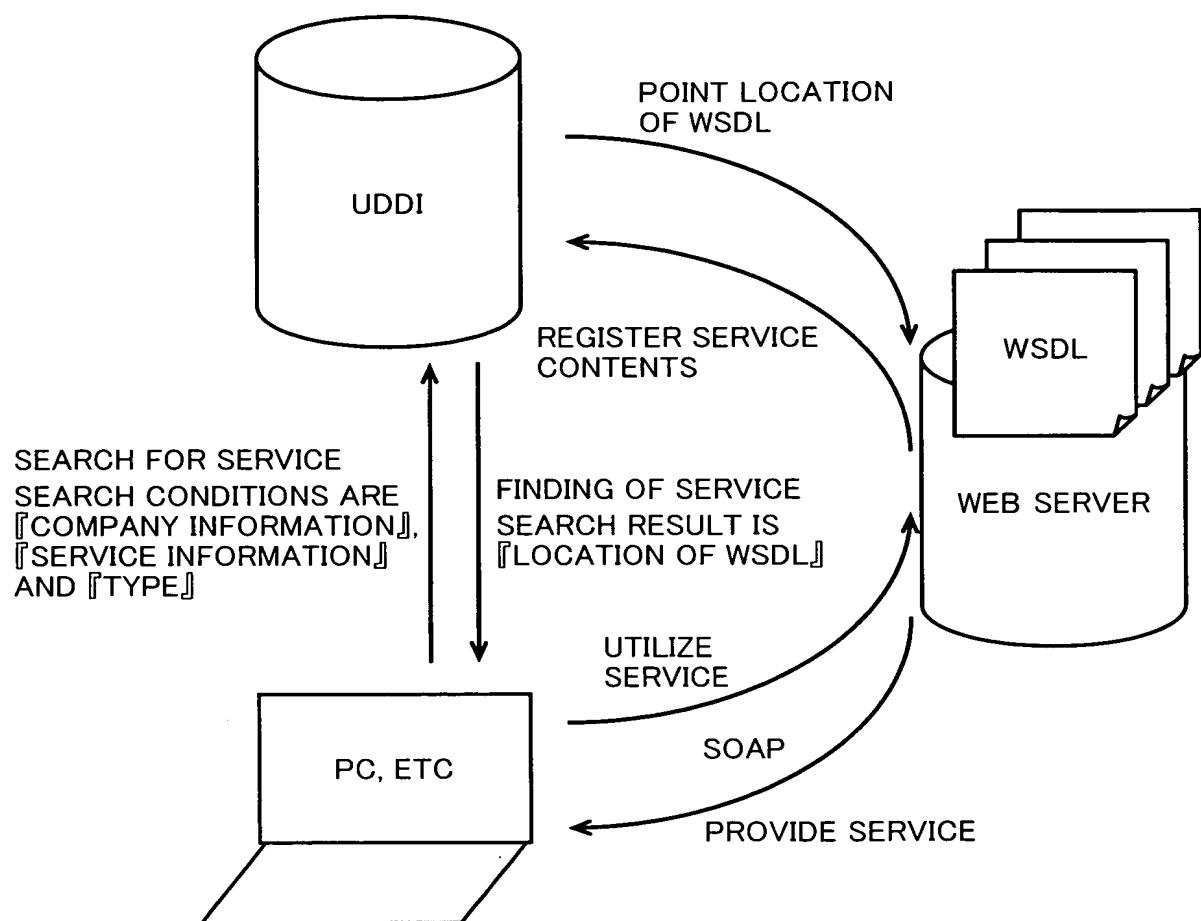


FIG.40

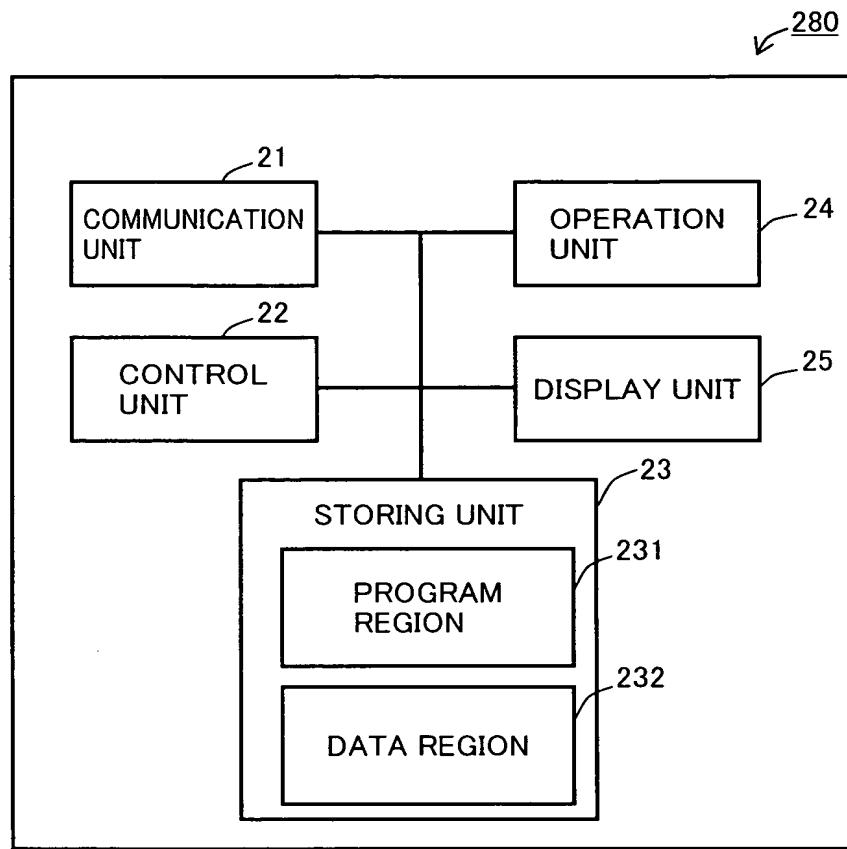


FIG.41

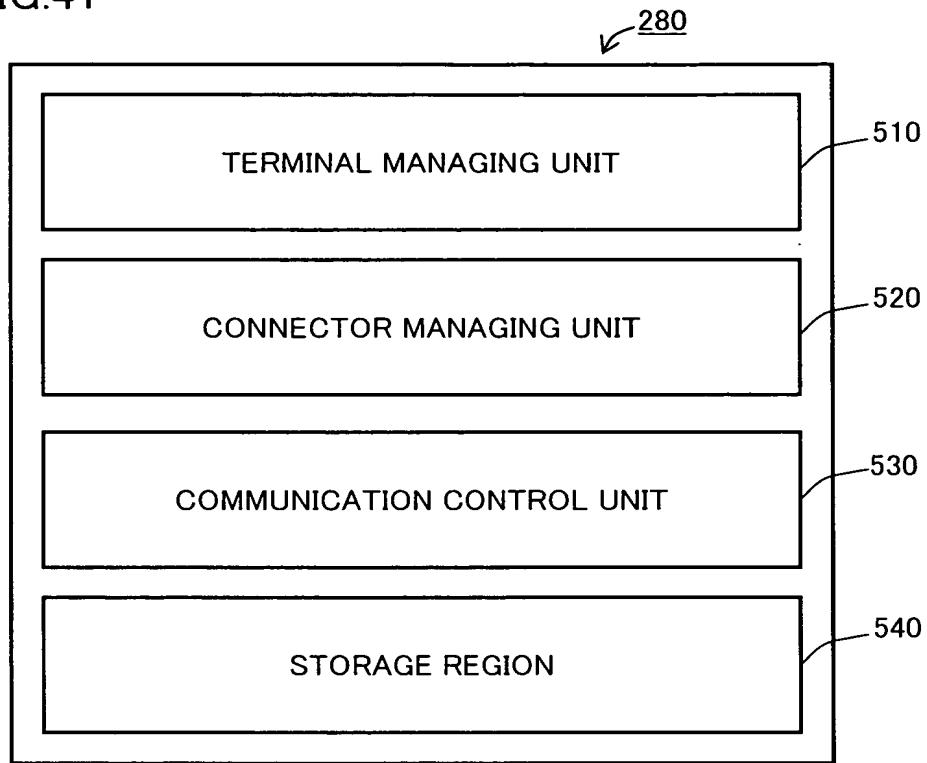


FIG.42

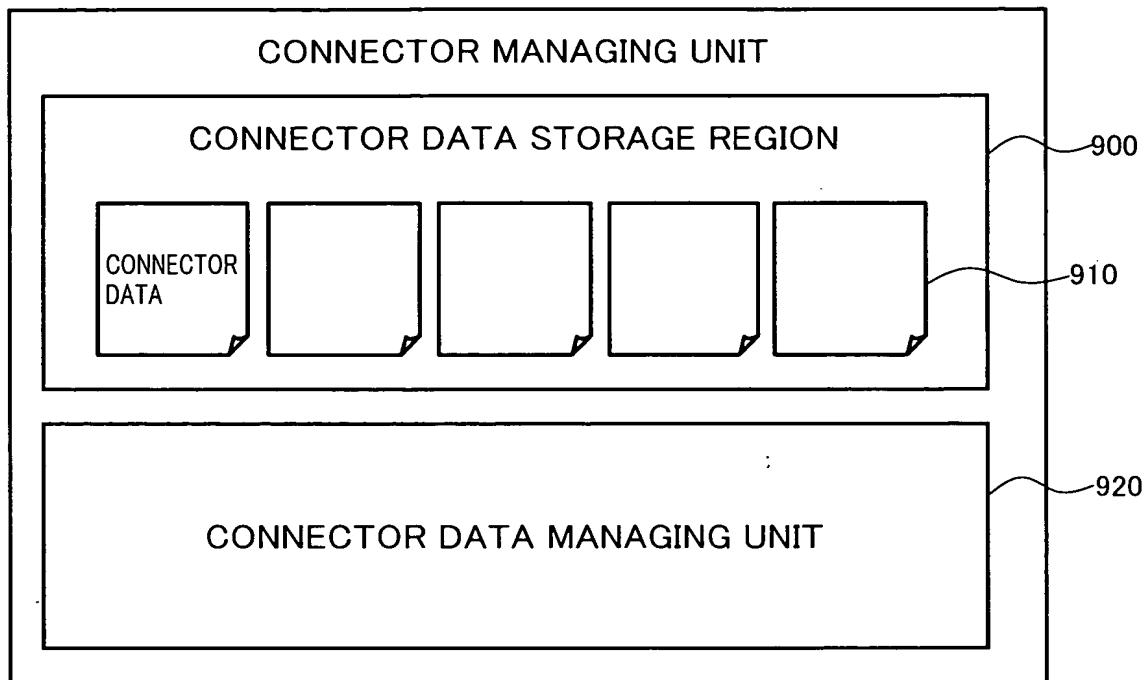


FIG.43

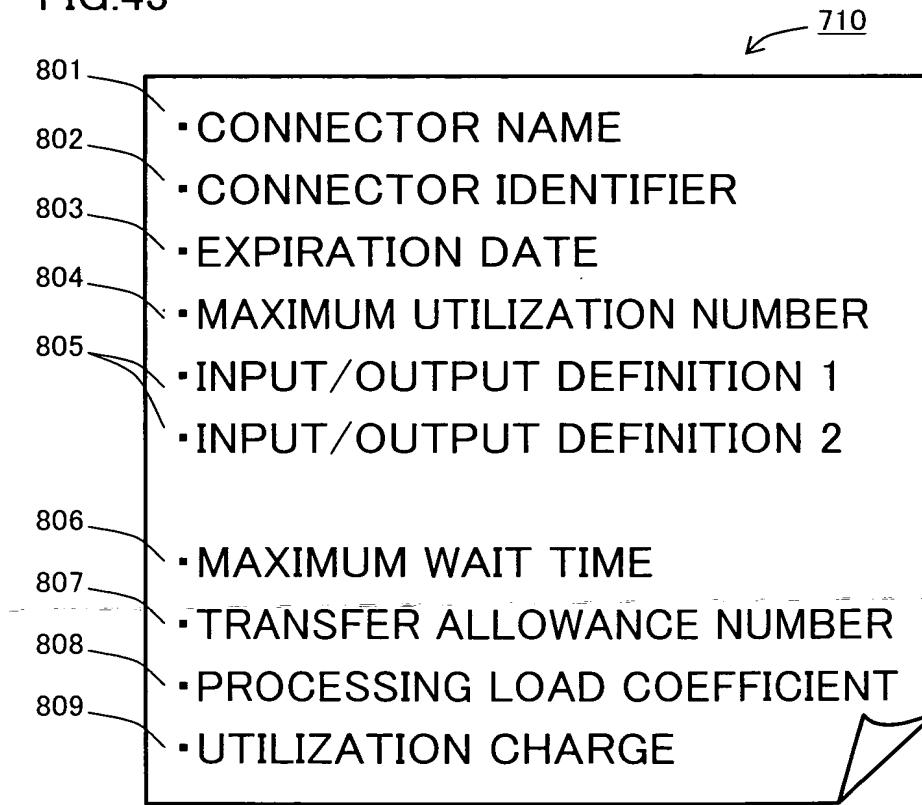


FIG.44

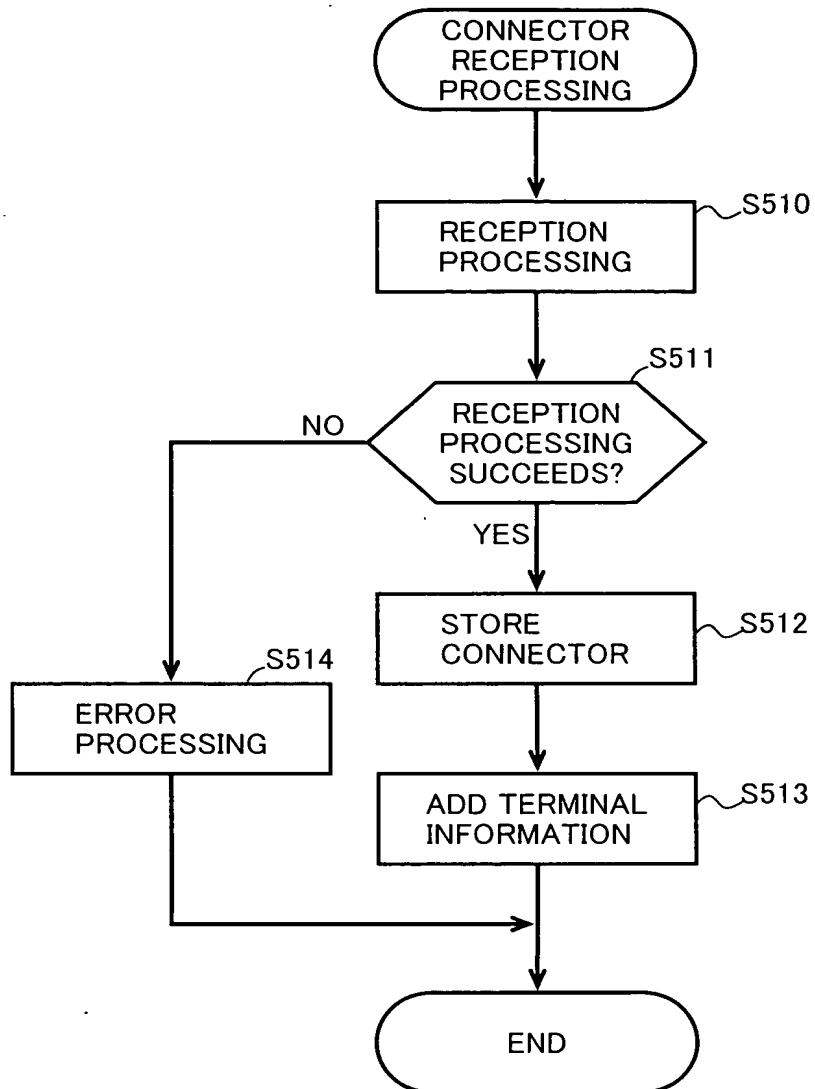


FIG.45

730

```
<serviceServer>
  <vendor>
    AAA Corp.
  </vendor/>
  <connector>
    <name>
      TextArt
    </name>
    <uniqueNumber>
      LS4369P3550
    </uniqueNumber>
  </connector>
  <registDate>
    2003/4/1
  </registDate>
  <expireNumber>
    100
  </expireNumber>
</serviceServer>
```

FIG.46

405

6023

```
<smil>
  <head>
    <layout>
      <root-layout width="200" height="200"/>
      <region id="Image" width="150" height="100"
        left="25" top="10" />
      <region id="Text" width="180" height="30"
        left="10" top="120" />
      <button id="TextArt" width="40" height="30"
        left="10" top="160" />
      <button id="Camera" width="40" height="30"
        left="60" top="160" />
      <button id="File" width="30" height="30"
        left="110" top="160" />
      <button id="Send" width="40" height="30"
        left="150" top="160" />
    </layout>
    <action id="TextArt" >
      <setMedia func="name:TextArt" src="Text"
        dest="Text" scope="Server"/>
    </action>
    <action id="Camera" >
      <setMedia func="name:Camera" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="File" >
      <setMedia func="name:File" src=""
        dest="Image" scope="Terminal" />
    </action>
    <action id="Send" >
      <setMedia func="name:Send" src=""
        dest="" scope="Terminal" />
    </action>
  </head>
  <body>
    <par>
      <event value="TextArt" action="TextArt" />
      <event value="Camera" action="Cámera" />
      <event value="File" action="File" />
      <event value="Send" action="Send" />
    </par>
  </body>
</smil>
```

FIG.47

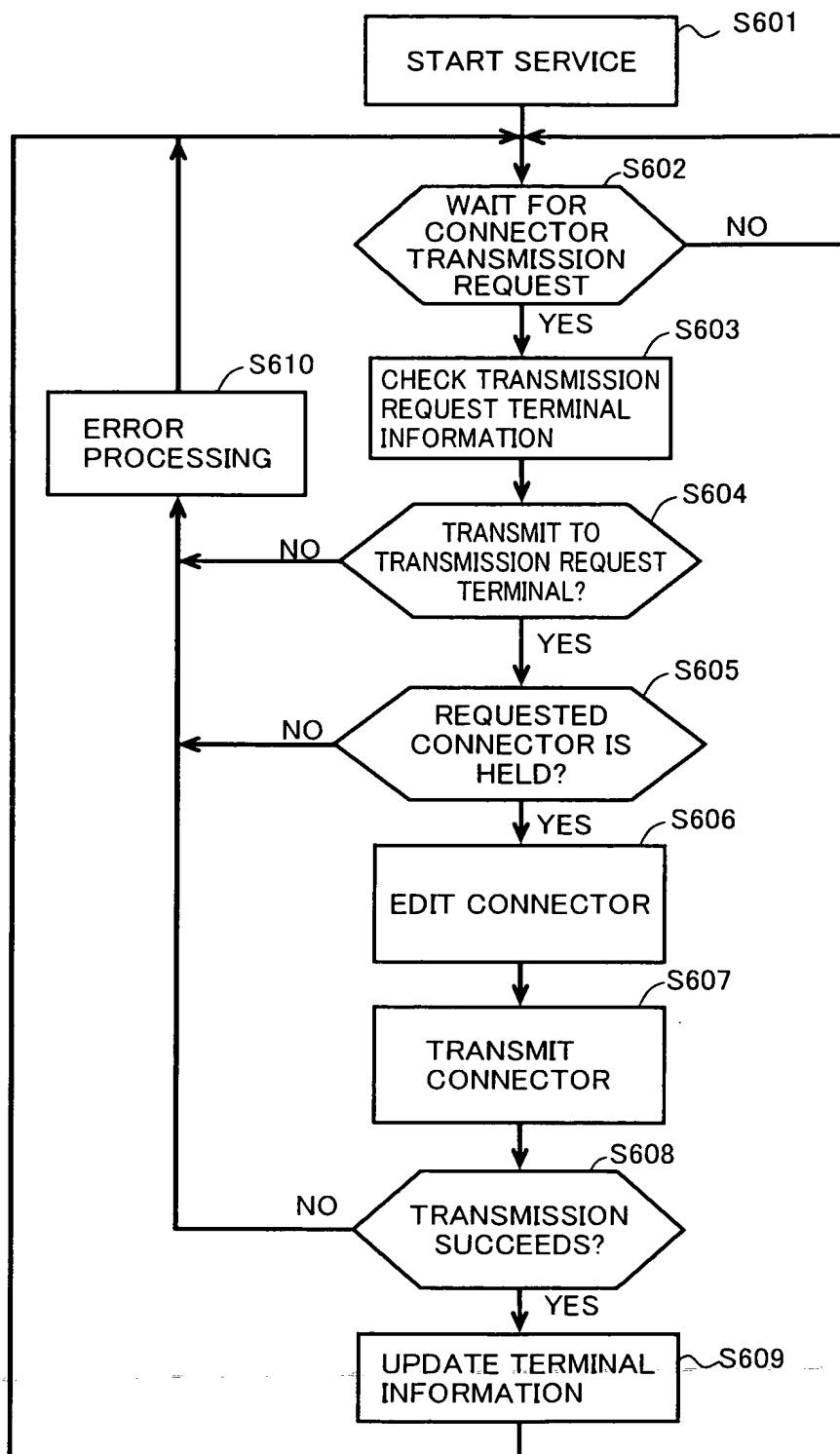


FIG.48

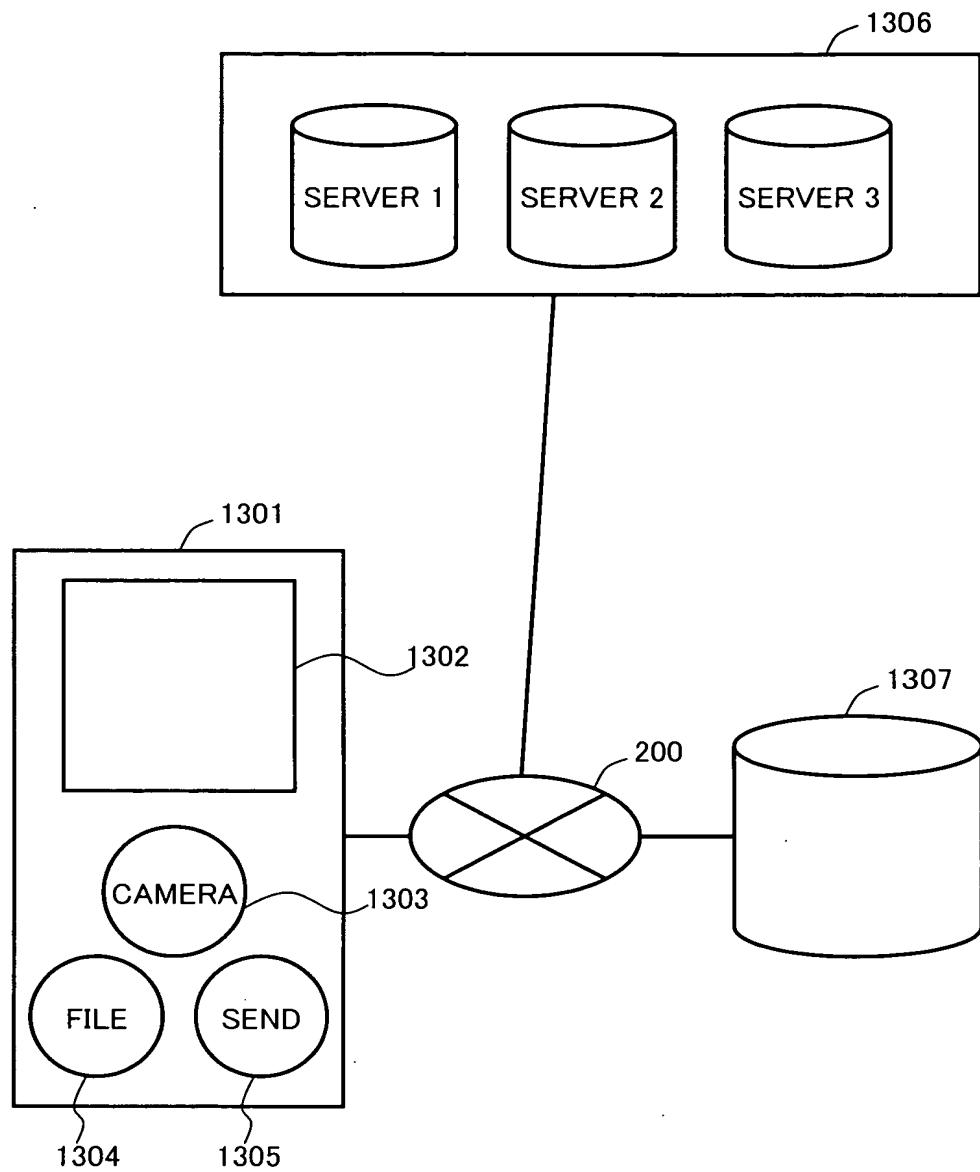


FIG.49

805c

```
<input/output definition>
<type definition name = "TextArt request" type = "character string"/>
<type definition name = "TextArt response" type = "Jpeg image"/>

<function definition name = "TextArt">
  <input value type = "TextArt request"/>
  <output value type = "TextArt response"/>
</function definition>

2703 { <service definition name = "TextArt service"/>
    <address URL = "http://visual1.example.url/TextArt"/>
    <utilization function name = "TextArt"/>
  </service definition>
</input/output definition>
```

FIG.50

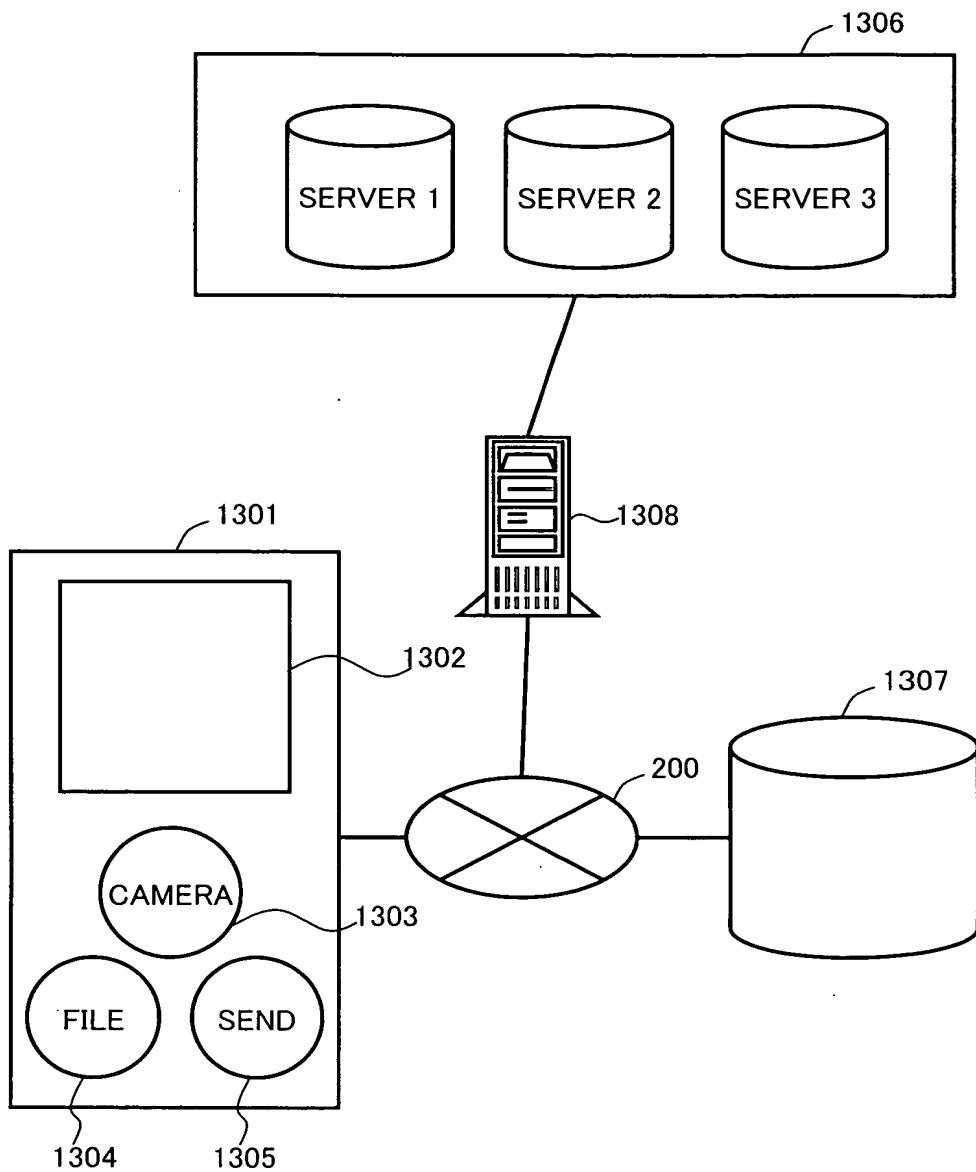


FIG.51

805d

```
<input/output definition>
<type definition name = "TextArt request" type = "character string"/>
<type definition name = "TextArt response" type = "Jpeg image"/>

<function definition name = "TextArt">
    <input value type = "TextArt request"/>
    <output value type = "TextArt response"/>
</function definition>

2803 { <service definition name = "TextArt service"/>
    <address URL = "http://cnncotor.server.net/proxy/
                    example-url/TextArt"/>
    <utilization function name = "TextArt"/>
</service definition>
</input/output definition>
```

FIG.52

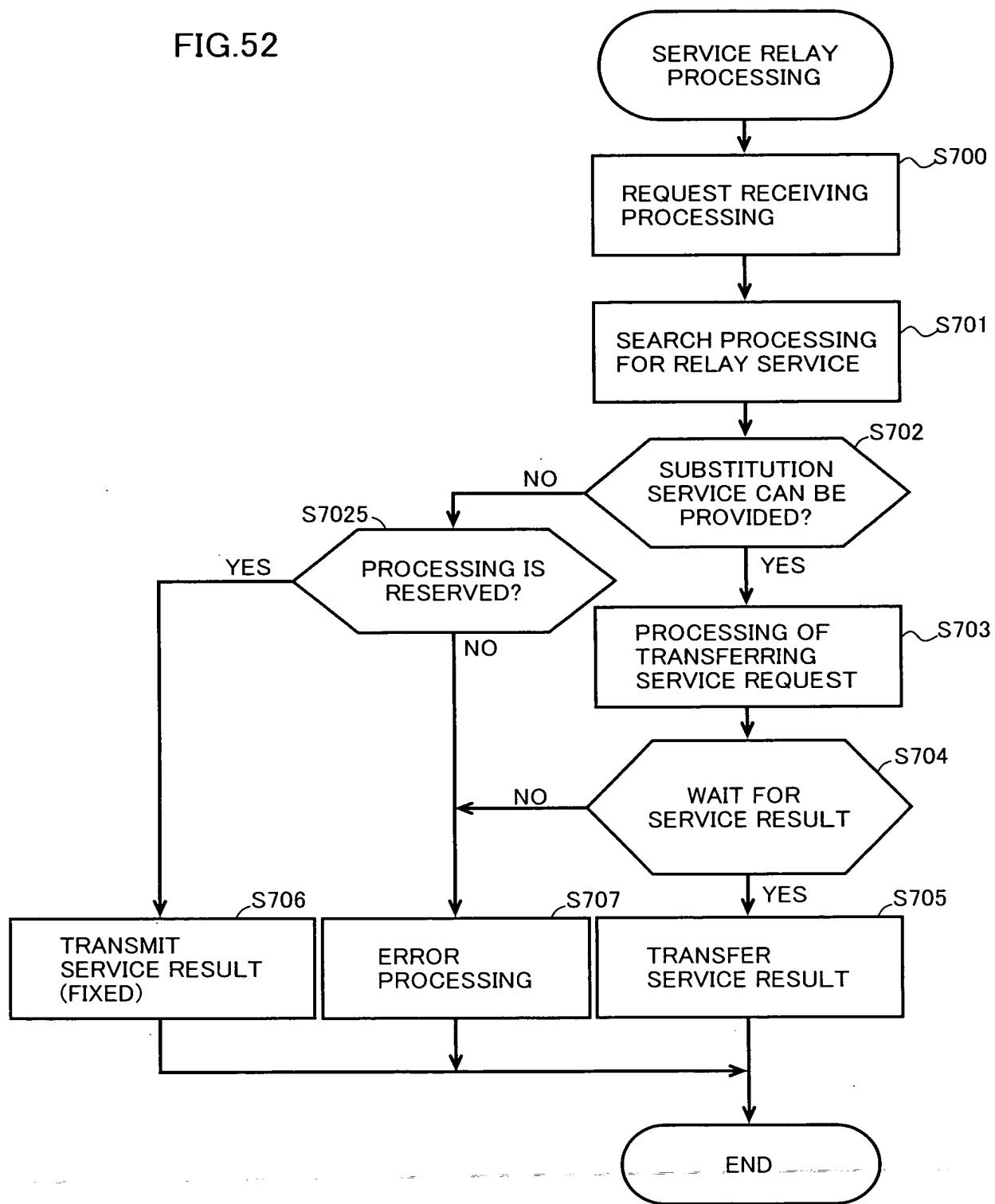


FIG.53

405 ↙

```
<smil>
  <head>
    <layout>
      <root-layout width="200" height="200"/>
      <region id="Text:1" width="80" height="30"
        left="10" top="10" />
      <region id="Text:2" width="80" height="30"
        left="10" top="50" />
      <button id="Text:3" width="80" height="30"
        left="10" top="90" />
      <button id="auto-fill" width="40" height="30"
        left="10" top="130" />
      <button id="send" width="30" height="30"
        left="60" top="130" />
    </layout>
    <action id="auto-fill">
      <setMedia func="name:getAddress" src=""
        dest="Text:1" scope="Terminal"/>
      <setMedia func="name:getCompany" src=""
        dest="Text:2" scope="Terminal"/>
      <setMedia func="name:getName" src=""
        dest="Text:3" scope="Terminal"/>
    </action>
  </head>
  <body>
    <par>
      <event value="auto-fill" action="auto-fill" />
      <event value="Send" action="Send" />
    </par>
  </body>
</smil>
```

5301 {

FIG.54

The diagram illustrates a user interface layout. It features three rectangular input fields, each labeled "Text Area" above it. These fields are arranged vertically. At the bottom of the interface are two more rectangular buttons, one labeled "auto-fill" and the other labeled "Send". All elements are contained within a single large rectangular frame.

FIG.55

The diagram illustrates a user interface layout. It features three rectangular input fields, each containing a specific piece of information: "ICHINOMOTO-CHO, TENRI-SHI, NARA-PREF", "A CORPORATION", and "TARO TANAKA". These fields are arranged vertically. At the bottom of the interface are two more rectangular buttons, one labeled "auto fill" and the other labeled "Send". All elements are contained within a single large rectangular frame.

FIG.56

405

```
<smil>
  <head>
    <layout>
      <root-layout width="200" height="200"/>
      <region id="Text" width="80" height="30"
        left="10" top="10" />
    </layout>
  </head>
  <body>
    <par>
      <switch>
        {5601}      <text src="secret.txt" region="Text"
                     func="name:getRole" scope="Terminal
                     return="chief director" >
        <text src="public.txt" region="Text"
                     func="name:getRole" scope="Terminal
                     return="" >
      </switch>
    </par>
  </body>
</smil>
```

FIG.57

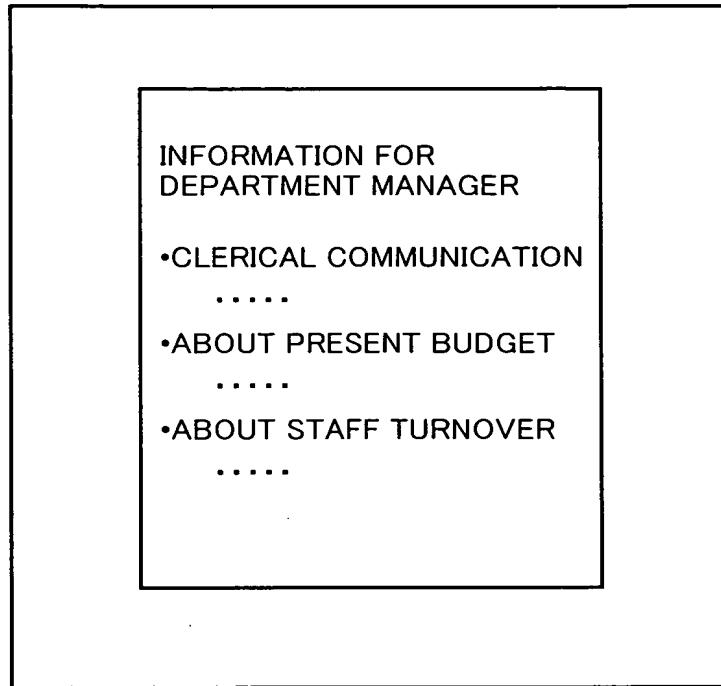


FIG.58

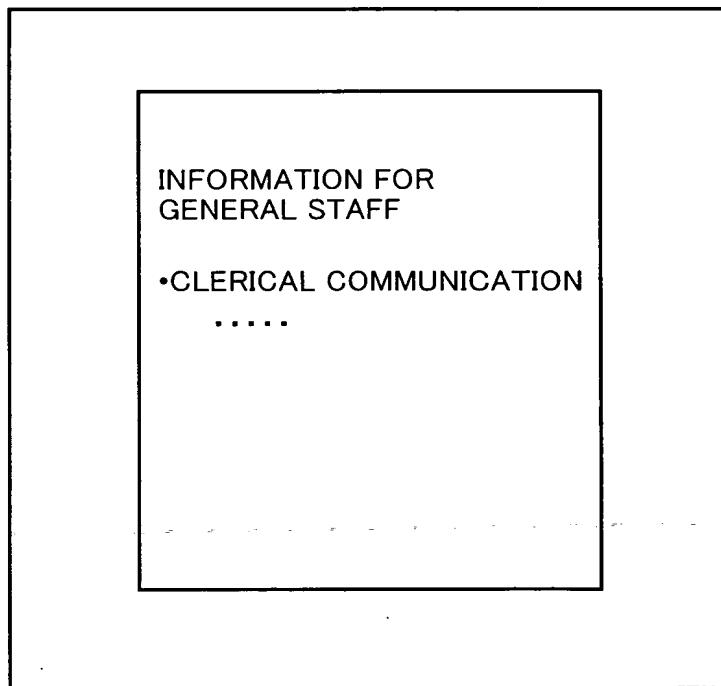


FIG.59

405

```
<smil>
  <head>
    <layout>
      <root-layout width="100" height="200"/>
      <region id="Text" width="80" height="120"
        left="10" top="10" />
    <switch>
      <button id="approve" width="40" height="30"
        left="10" top="140"
        func="name:getRole" return="chief director" >
    </switch>
  </layout>
</head>
<body>
  <par>
    <text src="plan.txt" region="Text">
  </par>
</body>
</smil>
```

FIG.60

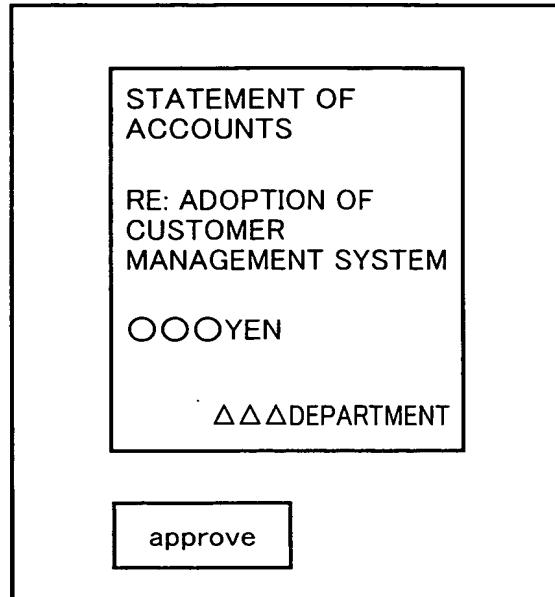


FIG.61

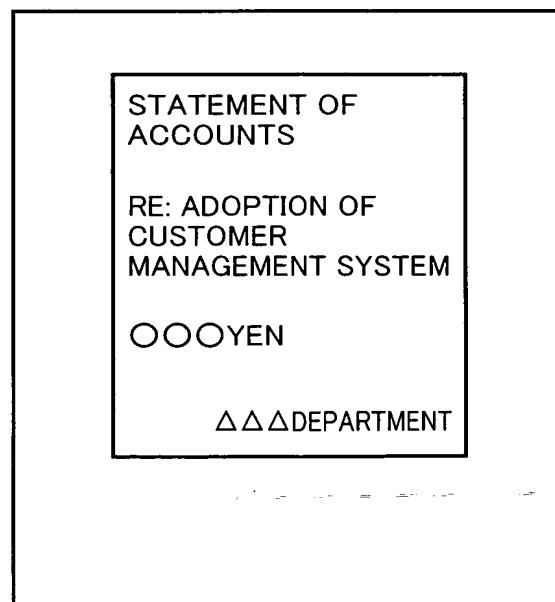


FIG.62

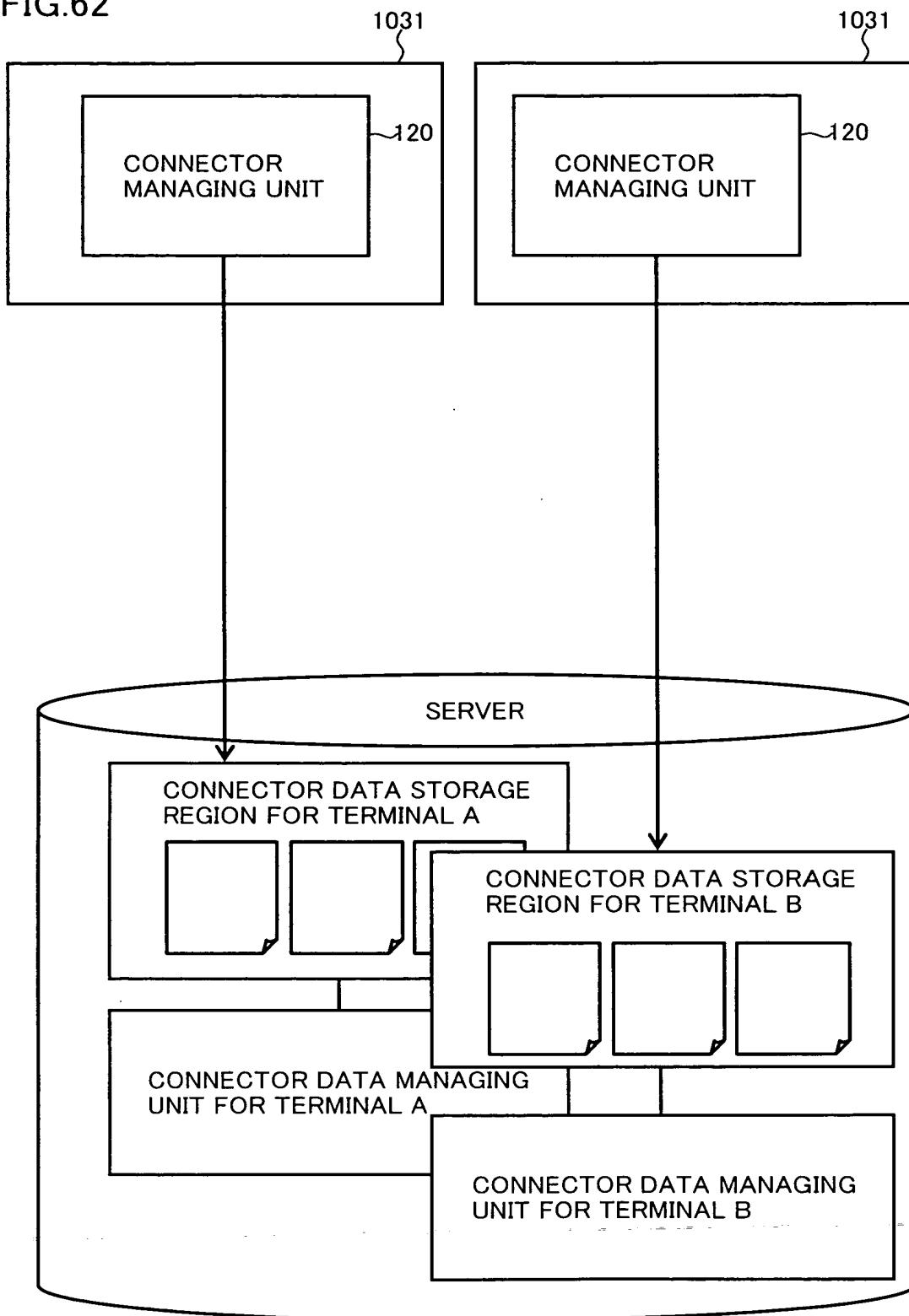


FIG.63

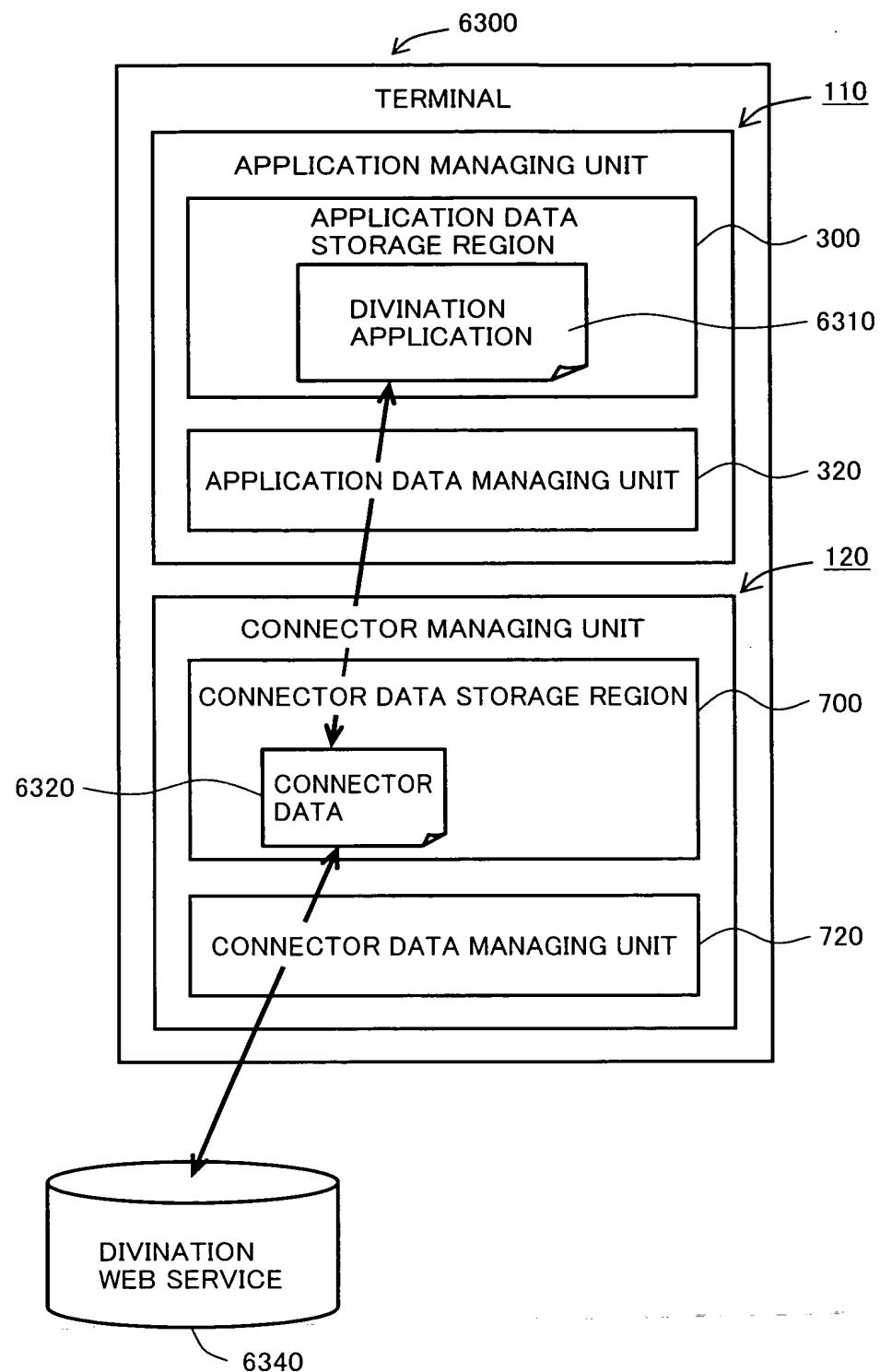


FIG.64

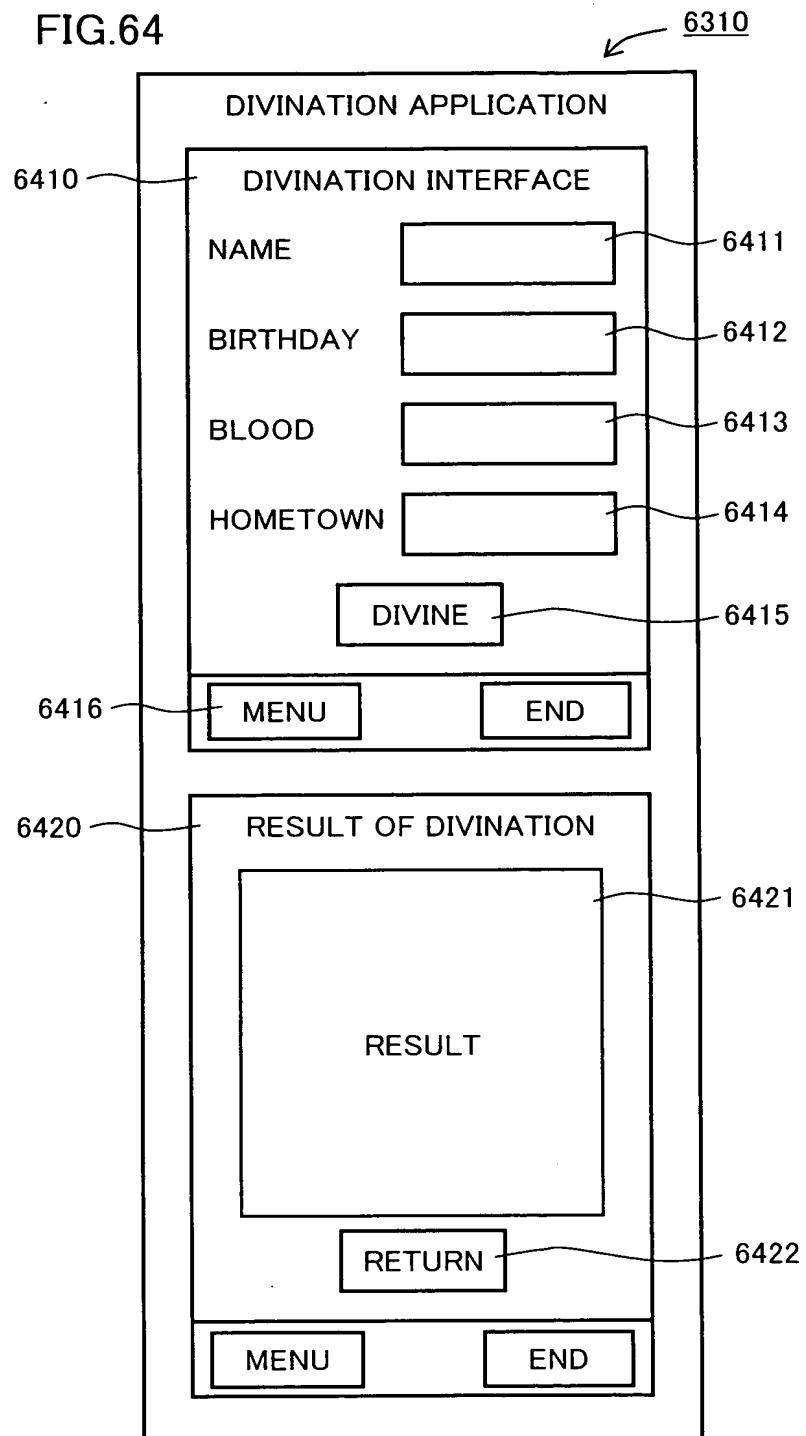


FIG.65

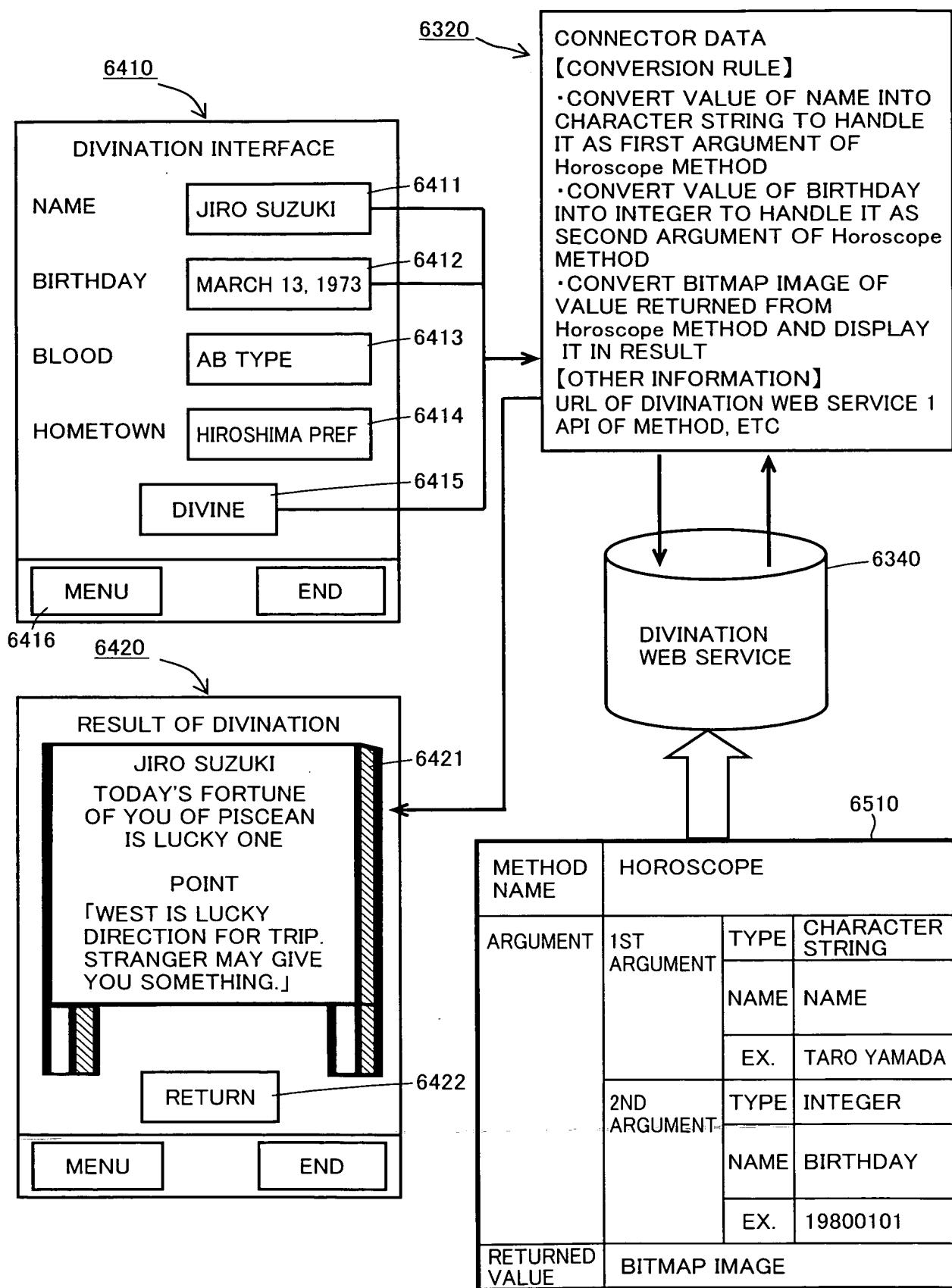


FIG.66

```
<convert method="Horoscope">
  <paramConv fromApp="NAME" fromType="String"
             toService="name" toType="String" />
  <paramConv fromApp="BIRTHDAY" fromType="String"
             toService="birthday" toType="int" />
  <returnConv fromService="ReturnValue" fromType="bitmap"
              toApp="RESULT" toType="jpeg"/>
</convert>
```

FIG.67

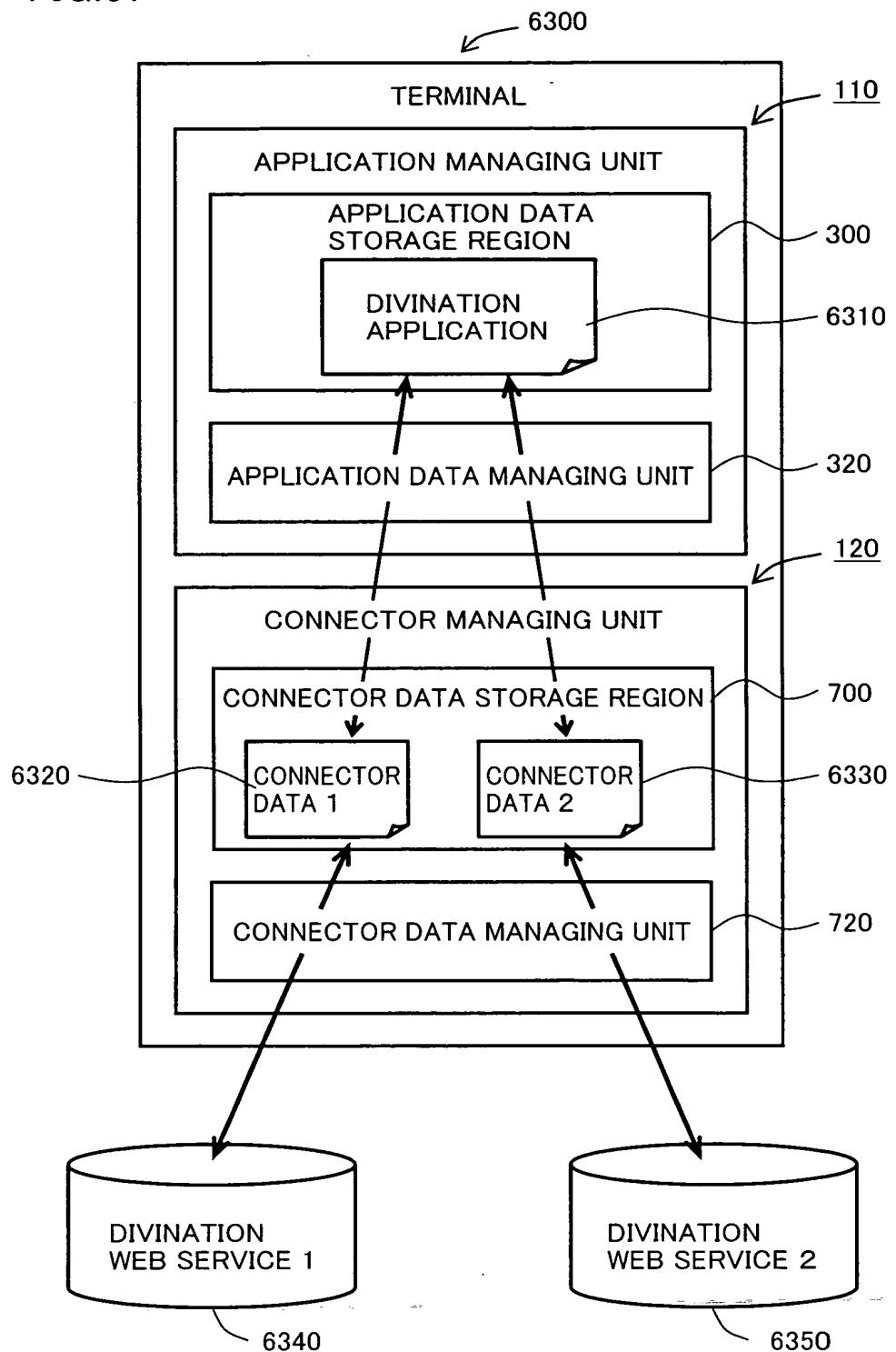


FIG.68

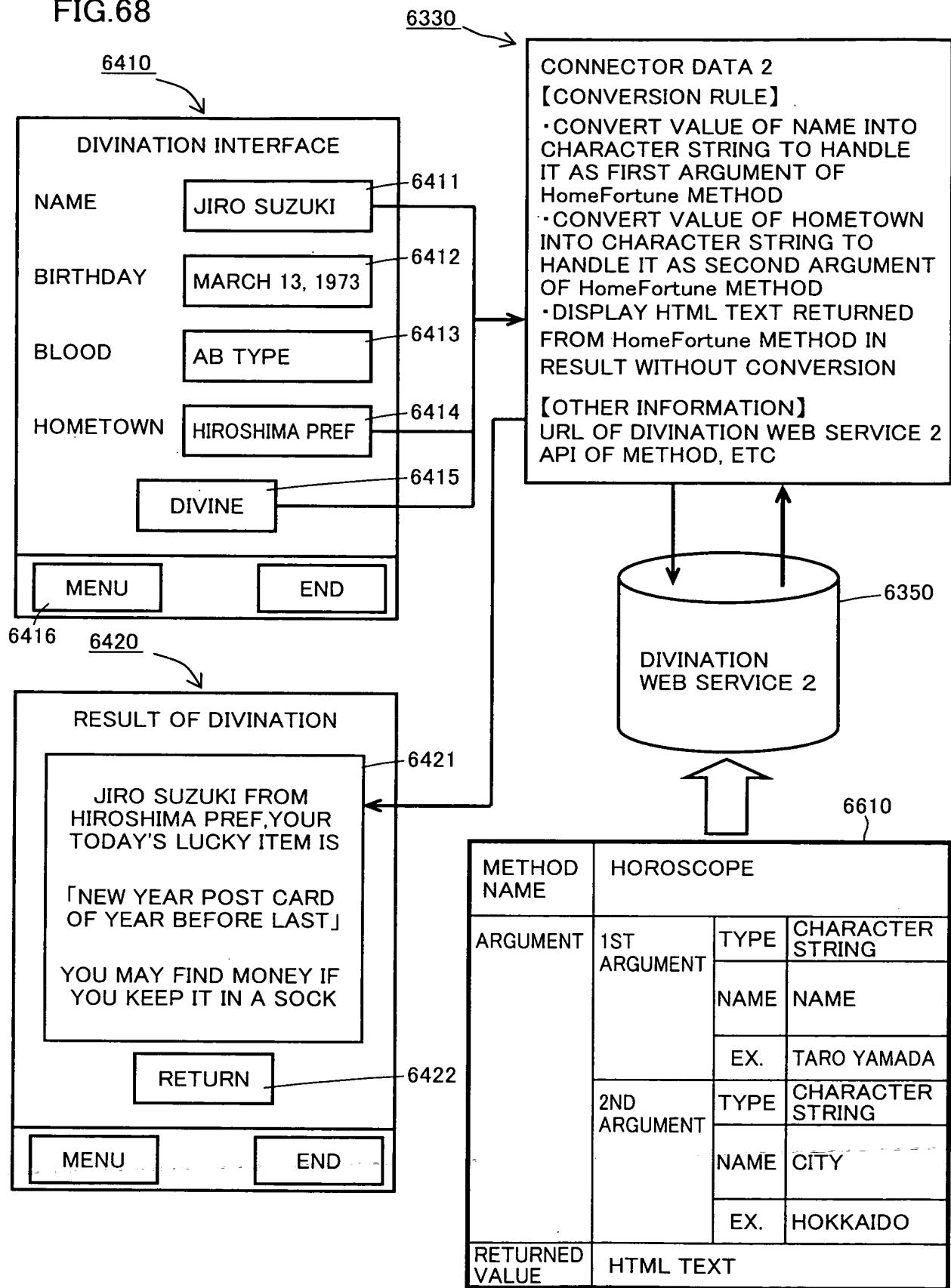


FIG.69

```
<convert method="HomeFortune">
  <paramConv fromApp="NAME" fromType="String"
             toService="name" toType="String" />
  <paramConv fromApp="HOMETOWN" fromType="String"
             toService="city" toType="String" />
  <returnConv fromService="ReturnValue" fromType="html"
              toApp="RESULT" toType="html"/>
</convert>
```

FIG.70

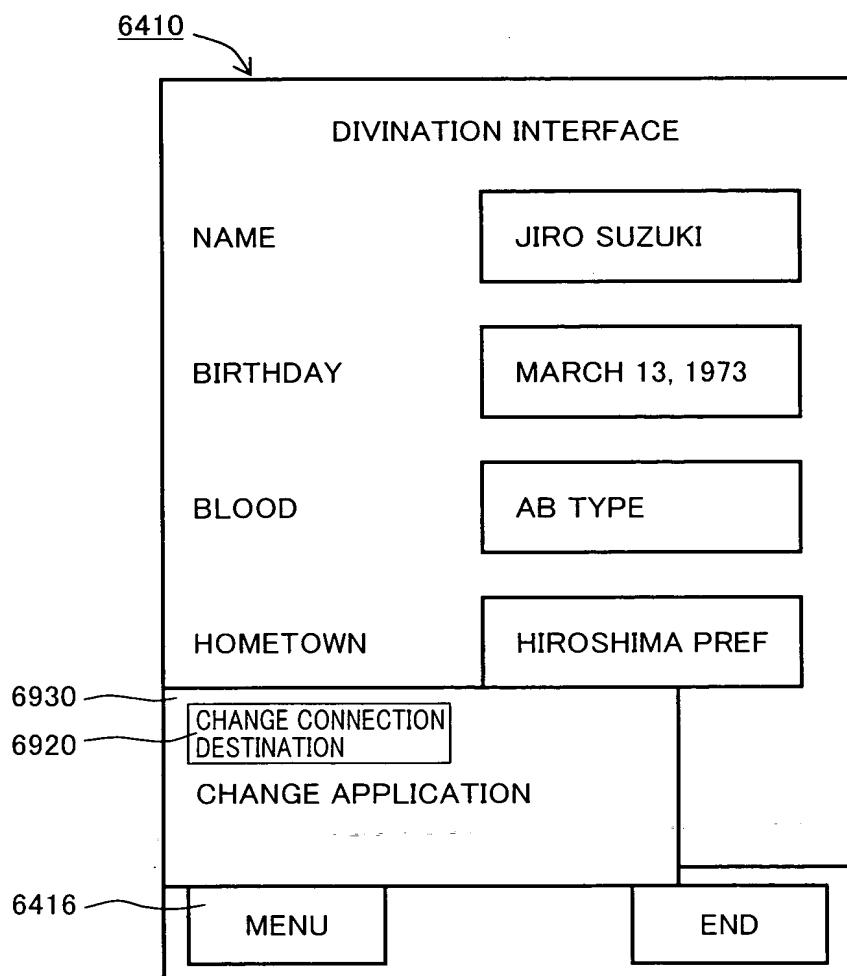


FIG.71

